						IENT OF N	<b>OF UTAH</b> ATURAL RE , GAS AND					AMENDED R	FORM 3	<b>'</b>		
		APPLIC	ATION F	OR	PERMIT TO D	RILL				1. WEI	L NAME and N	NUMBER a Wells Unit 15	46-26D			
2. TYPE OF		L NEW WELL (	REENTE	R P&/	A WELL (=) D	DEEPEN WEL	ı 🗀			3. FIE	LD OR WILDCA	<b>AT</b> ATURAL BUTTI	=====================================			
4. TYPE OF		Gas Wel			ed Methane Well:					5. UNIT OF COMMUNITIZATION AGREEMENT NAME CHAPITA WELLS						
6. NAME O	F OPERATOR	Gas Wei				INO				7. OPERATOR PHONE 435 781-9111						
8. ADDRES	S OF OPERATOR				ces, Inc.					9. OPERATOR E-MAIL						
10. MINER	AL LEASE NUME		treet, Suite		0 N, Denver, CO, 11. MINERAL O		P			kaylene_gardner@eogresources.com  12. SURFACE OWNERSHIP						
(FEDERAL,	INDIAN, OR ST UTU	<b>ATE)</b> J0285A			FEDERAL 📵	INDIAN [	STATE		FEE 🔵	FEDERAL INDIAN STATE FEE						
13. NAME	OF SURFACE OW	/NER (if box 12 =	= 'fee')							14. SU	RFACE OWNE	R PHONE (if I	oox 12 =	= 'fee')		
15. ADDRE	SS OF SURFACE	OWNER (if box	12 = 'fee')	)						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')						
	N ALLOTTEE OR	TRIBE NAME			18. INTEND TO MULTIPLE FOR		LE PRODUC	стіоі	N FROM	19. SL	ANT					
(If box 12	= 'INDIAN')				CT0		ngling Applica	ation)	) NO 📵	VERTIC	CAL O DIRECTIONAL (📵 HORIZONT			ZONTAL 🔵		
20. LOCA	TION OF WELL		FO	OTAGES	Q.	TR-QTR		SECTION	TO	OWNSHIP	RANGE		MERIDIAN			
LOCATIO	N AT SURFACE		44	15 FN	L 531 FEL		NENE		26		9.0 S	22.0 E		S		
Top of Uppermost Producing Zone 639 Ft					1255 FEL		NENE		26		9.0 S	22.0 E		S		
At Total Depth 639 Ft					1255 FEL		NENE		26		9.0 S	22.0 E		S		
21. COUNT		NTAH		22. DISTANCE		ST LEASE LI 539	INE (	Feet)	23. NU	IMBER OF ACR	1800	ING UN	ΙΤ			
					25. DISTANCE (Applied For Di	rilling or Co		SAM	IE POOL	26. PR	OPOSED DEPT	<b>TH</b> 9441 TVD:	9350			
27. ELEVA	TION - GROUND	LEVEL 5015			28. BOND NUMBER NM2308					29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-225						
					Hole, Casing, and Cement Information											
String	Hole Size	Casing Size	Len		Weight		& Thread		Max Mud Wt.		Cement	Sacks	Yield			
SURF	12.25	9.625	0 - 2	2300	36.0	J-5	55 ST&C 10.5				Class G	150	3.82 1.18			
PROD	7.875	4.5	0 - 9	9441	11.6	L-8	80 LT&C 10.5				Hi Lift "G"		3.91			
										50/50 Poz 910 1.28 14.1						
						ATTAC	HMENTS									
	VERIFY THE	FOLLOWING A	ARE ATTA	СНІ	ED IN ACCOR	DANCE W	ITH THE I	UTAI	H OIL AND G	AS CC	ONSERVATIO	ON GENERA	L RULE	:S		
<b>⊯</b> WE	LL PLAT OR MAP	PREPARED BY L	ICENSED S	SUR	VEYOR OR ENGI	NEER	<b>✓</b> co	MPLI	ETE DRILLING	PLAN						
AFF	IDAVIT OF STAT	US OF SURFACE	OWNER A	GRE	EMENT (IF FEE S	SURFACE)	FOI	RM 5.	. IF OPERATOR	і іѕ от	HER THAN TH	E LEASE OWI	NER			
DIR	ECTIONAL SURV	EY PLAN (IF DIR	RECTIONAL	LLY (	OR HORIZONTA	LLY	<b>№</b> то	POGR	RAPHICAL MAP	1						
NAME Mic	kenzie Gates			TITL	<b>E</b> Operations Cle	rk		РНС	<b>DNE</b> 435 781-9:	145						
SIGNATU	RE			DAT	<b>E</b> 06/24/2011			EM/	AIL mickenzie_c	gates@	eogresources.co	om				
	BER ASSIGNED 1751739000	00		APP	ROVAL				Boll	24						
										Permit Manager						



# DRILLING PLAN MULTI-WELL PAD:

# CWU 1541-26D, CWU 1542-26D, CWU 1543-26D, CWU 1544-26D, CWU 1545-26D, CWU 1546-26D

NE/NE, SEC. 26, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

## 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

	CWU 1	541-26D	CWU 1	542-26D	CWU 1	543-26D	CWU 1	544-26D
FORMATION	TVD	MD	TVD	MD	TVD	MD	TVD	MD
Green River	1540	1546	1514	1528.	1517	1532	1520	1536
Birdsnest	1754	1762	1730	1750	1717	1735	1716	1743
Mahogany Oil Shale Bed	2296	2307	2281	2315	2276	2304	2268	2327
Wasatch	4653	4667	4625	4677	4617	4661	4600	4705
Chapita Wells	5241	5255	5215	5268	5208	5252	5193	5298
Buck Canyon	5903	5916	5870	5923	5852	5896	5812	5917
North Horn	6608	6622	6586	6639	6587	6632	6593	6698
KMV Price River	6985	6998	6941	6994	6934	6978	6920	7025
KMV Price River Middle	7855	7868	7813	7865	7807	7851	7795	7900
KMV Price River Lower	8636	8650	8602	8654	8596	8640	8586	8691
Sego	9148	9162	9112	9164	9114	9158	9107	9212
TD	9350	9364	9315	9367	9315	9359	9310	9415
ANTICIPATED BHP (PSI)	5105		5086		508		5083	

	CWU 1	545-26D	CWU 1	546-26D				
FORMATION	TVD	MD	TVD	MD				
Green River	1530	1546	1543	1565		T WAS THE PERSON NAMED IN	ANNASA SELENTAL MOSS	62 (ABS: 623) 2 B 1 59 K b
Birdsnest	1726	1750	1738	1770				-
Mahogany Oil Shale Bed	2280	2323	2288	2344				
Wasatch	4623	4691	4641	4732				<del> </del>
Chapita Wells	5213	5281	5229	5320				
Buck Canyon	5852	5921	5886	5977				+
North Horn	6594	6662	6595	6686				<del> </del>
KMV Price River	6951	7020	6979	7070	.01			
KMV Price River Middle	7821	7889	7843	7933				<del>                                     </del>
KMV Price River Lower	8611	8679	8632	8722			6.	
Sego	9139	9208	9146	9237		-	**	
TD	9340	9409	9350	9441				
ANTICIPATED BHP (PSI)	5100		5105		KANSTER POZESKEJSK		CASTAL ROMANIE AMARIANIS	(Lister) A. S.

<sup>1.</sup> Fresh Waters may exist in the upper, approximately 1,000 ft  $\pm$  of the Green River Formation, with top at about 2,000 ft  $\pm$ .

<sup>2.</sup> Cement isolation is installed to surface of the well isolating all zones by cement.



## DRILLING PLAN MULTI-WELL PAD:

CWU 1541-26D, CWU 1542-26D, CWU 1543-26D, CWU 1544-26D, CWU 1545-26D, CWU 1546-26D

NE/NE, SEC. 26, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig BOP schematic diagrams attached.

## 4. CASING PROGRAM:

Casing	Hole Size	Length	Size	Weight	Grade	Thread	Rating Collapse	Rating Burst	Tensile
Conductor	20"	0 – 60'	14"	32.5#	A252			1800 PSI	10,000#
Surface	12 ¼"	0 - 2,300'±	9 %"	36.0#	J-55	STC	2020 PSI	3520 PSI	394,000#
Production	7 7/8"	Surface - TD	4 1/2"	11.6#	N-80	LTC	6350 PSI	7780 PSI	223,000#

Note: 12 ¼" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5%" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

## 5. Float Equipment:

## Surface Hole Procedure (0'- 2300'±)

**Guide Shoe** 

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5th joint to surface. (15 total)

## Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface.  $4-\frac{1}{2}$ ", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 3rd joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of  $2^{nd}$  joint.

## 6. MUD PROGRAM

## Surface Hole Procedure (Surface - 2300'±):

0' - 2300'± Air/Air mist/Aerated water

or

A closed mud system will be utilized with a gelled bentonite system. LCM sweeps, additions, etc. will be utilized as necessary.



## DRILLING PLAN MULTI-WELL PAD: CWU 1541-26D, CWU 1542-26D, CWU 1543-26D, CWU 1544-26D, CWU 1545-26D, CWU 1546-26D NE/NE, SEC. 26, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

## Production Hole Procedure (2300'± - TD):

Anticipated mud weight 9.5-10.5 ppg depending on actul wellbore conditions encountered while drilling.

2300'± - TD

A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

## 7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1

Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- o EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

## 8. EVALUATION PROGRAM:

Logs:

None

Cased-hole Logs:

Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

Cement Bond / Casing Collar Locator and Gamma Ray



# DRILLING PLAN MULTI-WELL PAD:

# CWU 1541-26D, CWU 1542-26D, CWU 1543-26D, CWU 1544-26D, CWU 1545-26D, CWU 1546-26D

NE/NE, SEC. 26, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

## 9. CEMENT PROGRAM:

## Surface Hole Procedure (Surface - 2300'±):

Lead:

150 sks

Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>,

3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

Tail:

135 sks

Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk.,

5.2 gps water.

**Top Out:** 

As necessary with Class "G" cement with 2% CaCl2, 1/4#/sk Flocele mixed at 15.6

ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

Note:

The above number of sacks is based on gauge-hole calculation

Lead volume to be calculated to bring cement to surface.

Tail volume to be calculated to bring cement to 500' above the shoe.

## Production Hole Procedure (2300'± - TD)

Lead:

130 sks:

Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

Tail:

910 sks:

50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075%

D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant),

mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

Note:

The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.



## DRILLING PLAN MULTI-WELL PAD: CWU 1541-26D, CWU 1542-26D, CWU 1543-26D, CWU 1544-26D, CWU 1545-26D, CWU 1546-26D NE/NE, SEC. 26, T9S, R22E, S.L.B.&M..

NE/NE, SEC. 26, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

## 10. ABNORMAL CONDITIONS:

## Surface Hole (Surface - 2300'±):

Lost circulation

## Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

## 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

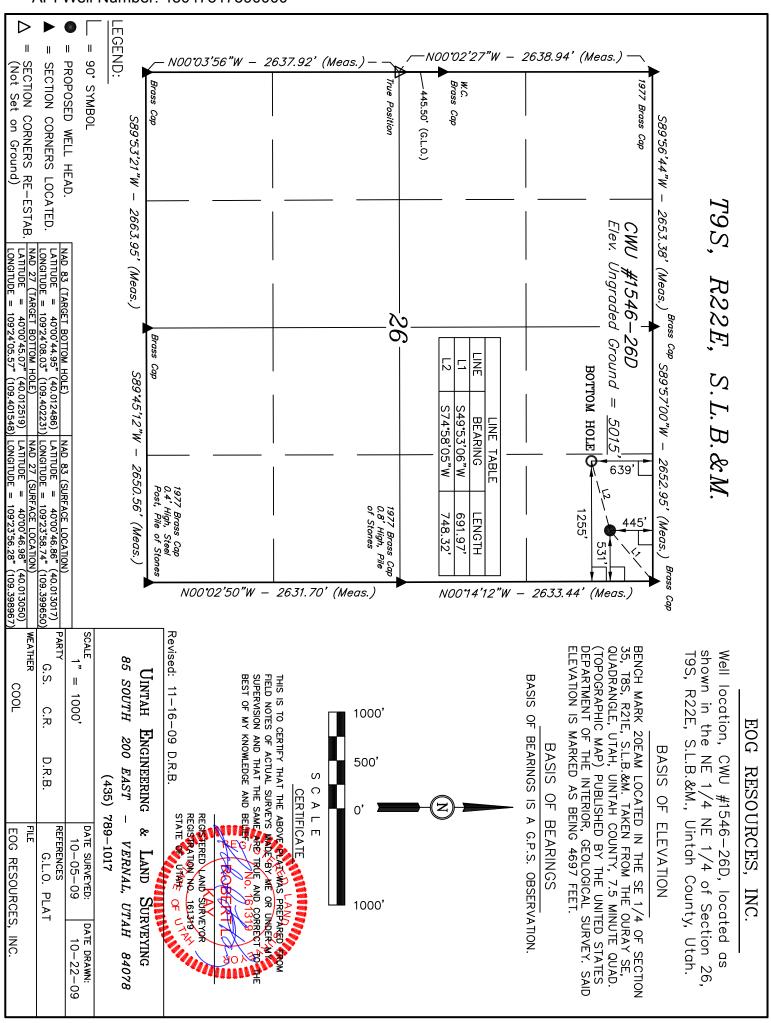
## 12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

## 13. Air Drilling Operations:

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)



# EOG RESOURCES, INC.

CWU #1541-26D, #1542-26D, #1543-26D, #1544-26D, #1545-26D & 1546-26D LOCATED IN UINTAH COUNTY, UTAH **SECTION 26, T9S, R22E, S.L.B.&M.** 



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHWESTERLY



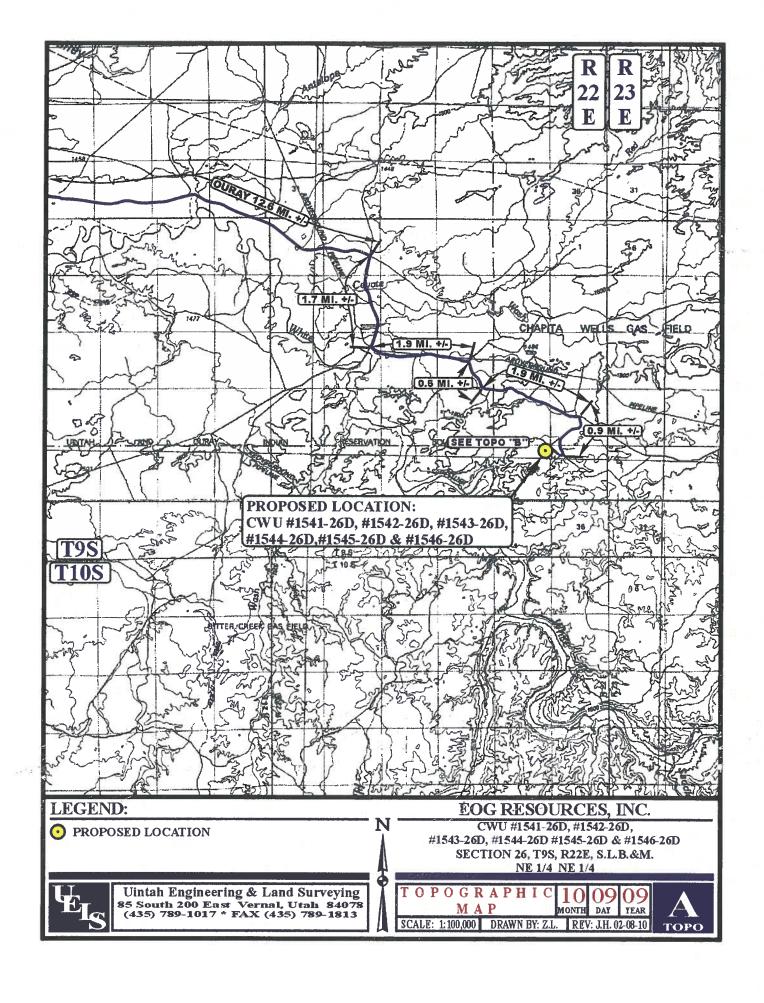
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 (435) 789-1017 \* FAX (435) 789-1813

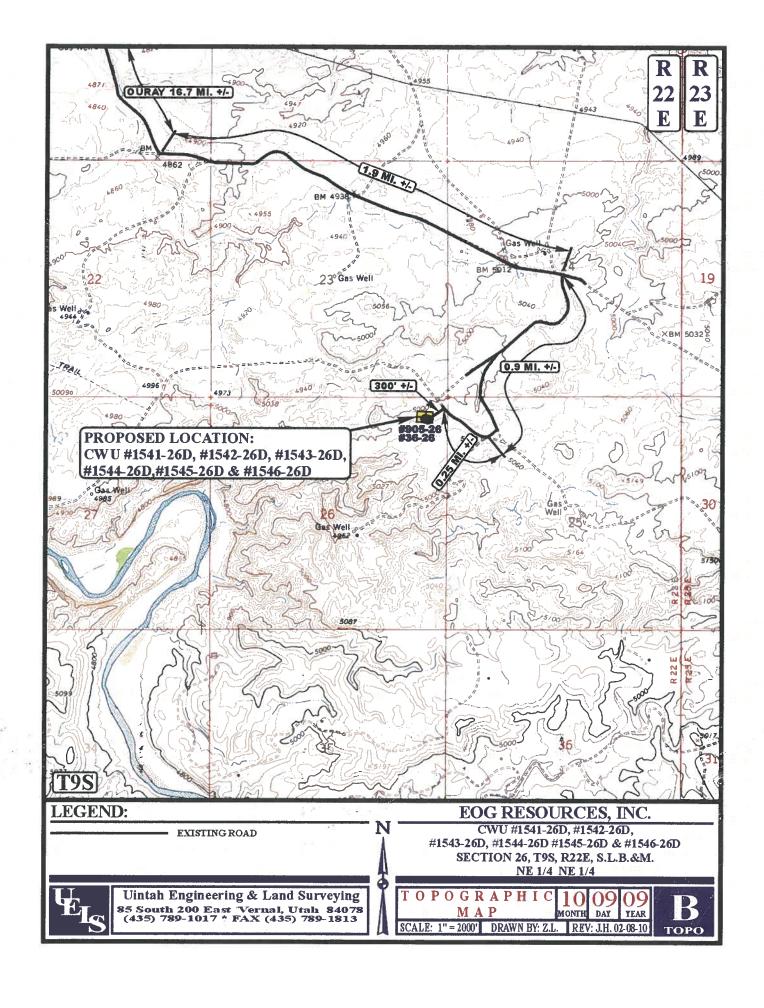
**LOCATION PHOTOS** 

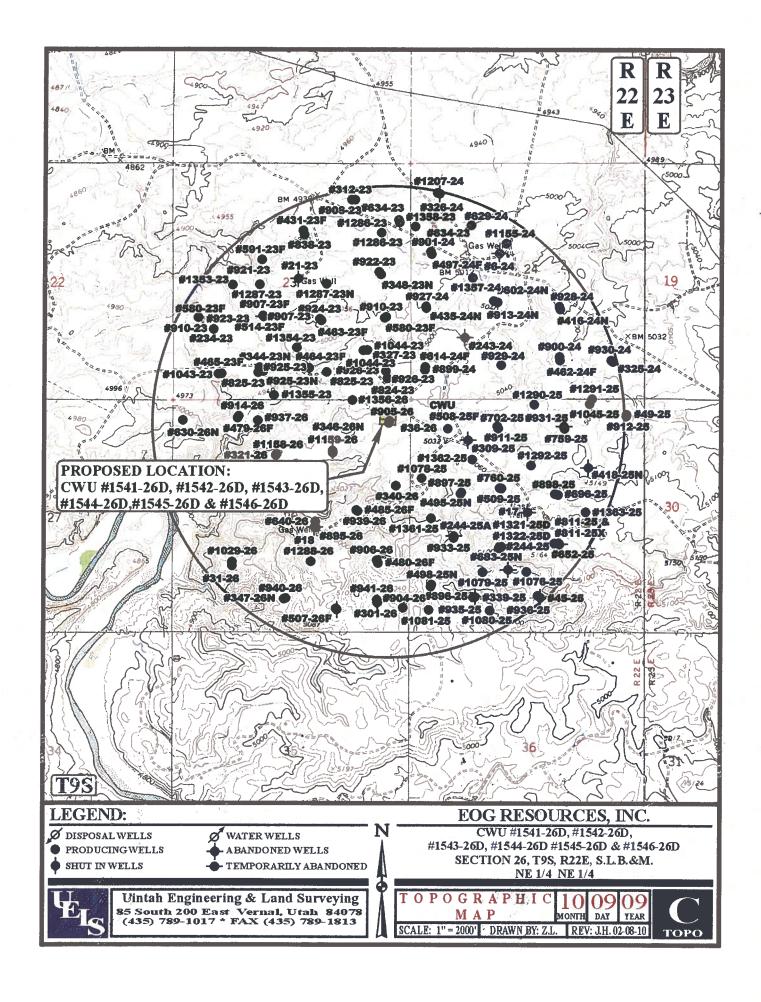
MONTH DAY YEAR

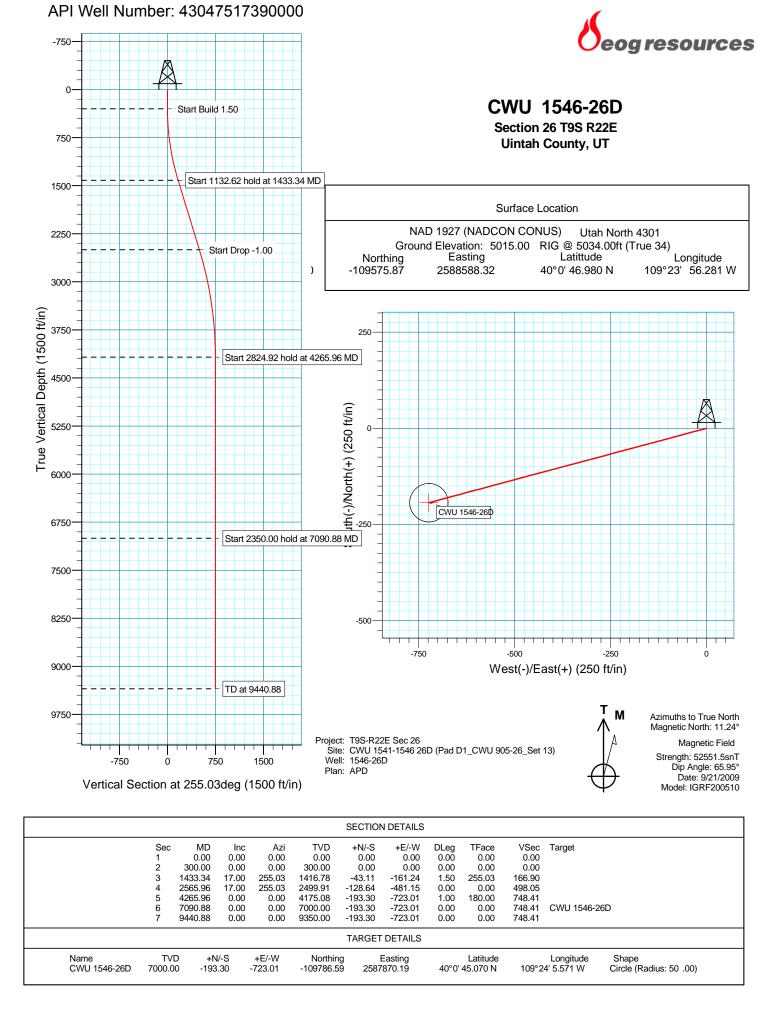
**РНОТО** 

TAKEN BY: GS. DRAWN BY: Z.L. REV: J.H. 02-08-10









# **Denver Division - Utah**

T9S-R22E Sec 26 CWU 1541-1546 26D (Pad D1\_CWU 905-26\_Set 13) 1546-26D Wellbore #1

Plan: APD

# **Standard Planning Report**

**21 September, 2010** 

### **EOG RESOURCES INC.**

Planning Report

Database: EDM

Company: Denver Division - Utah

Project: T9S-R22E Sec 26

Site: CWU 1541-1546 26D (Pad D1\_CWU 905-26\_Se

Well: 1546-26D Wellbore: Wellbore #1 Design: APD Local Co-ordinate Reference:

TVD Reference:
MD Reference:

North Reference:

**Survey Calculation Method:** 

Well 1546-26D

RIG @ 5034.00ft (True 34) RIG @ 5034.00ft (True 34)

True

Minimum Curvature

Project T9S-R22E Sec 26

Map System: US State Plane 1927 (Exact solution)

Geo Datum: NAD 1927 (NADCON CONUS)

Map Zone: Utah North 4301

System Datum: Mean Sea Level

Site CWU 1541-1546 26D (Pad D1\_CWU 905-26\_Set 13)

Northing: -109,625.48ft 40° 0' 46.480 N Site Position: Latitude: 109° 23' 55.748 W From: Lat/Long Easting: 2,588,631.00ft Longitude: 0.00 ft 1.39 deg **Position Uncertainty: Slot Radius: Grid Convergence:** 

Well 1546-26D

 Well Position
 +N/-S
 0.00 ft
 Northing:
 -109,575.87 ft
 Latitude:
 40° 0′ 46.980 N

 +E/-W
 0.00 ft
 Easting:
 2,588,588.32 ft
 Longitude:
 109° 23′ 56.281 W

Position Uncertainty 0.00 ft Wellhead Elevation: ft Ground Level: 5,015.00 ft

Wellbore #1

 Magnetics
 Model Name
 Sample Date (deg)
 Declination (deg)
 Dip Angle (deg)
 Field Strength (nT)

 IGRF200510
 9/21/2009
 11.24
 65.95
 52,552

**Design** APD

**Audit Notes:** 

Version:Phase:PROTOTYPETie On Depth:0.00

 Vertical Section:
 Depth From (TVD) (ft) (ft) (ft) (ft) (deg)
 +N/-S +E/-W (ft) (deg)
 Direction (deg)

 0.00
 0.00
 0.00
 255.03

lan Section	s									
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (deg)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,433.34	17.00	255.03	1,416.78	-43.11	-161.24	1.50	1.50	0.00	255.03	
2,565.96	17.00	255.03	2,499.91	-128.64	-481.15	0.00	0.00	0.00	0.00	
4,265.96	0.00	0.00	4,175.08	-193.30	-723.01	1.00	-1.00	0.00	180.00	
7,090.88	0.00	0.00	7,000.00	-193.30	-723.01	0.00	0.00	0.00	0.00	CWU 1546-26E
9,440.88	0.00	0.00	9,350.00	-193.30	-723.01	0.00	0.00	0.00	0.00	

9/21/2010 2:48:11PM Page 2 COMPASS 2003.21 Build 46

## **EOG RESOURCES INC.**

**Planning Report** 

Database: EDM

Company: Denver Division - Utah T9S-R22E Sec 26

Site: CWU 1541-1546 26D (Pad D1\_CWU 905-26\_Se

Well: 1546-26D Wellbore: Wellbore #1 Design: APD Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method: Well 1546-26D

RIG @ 5034.00ft (True 34) RIG @ 5034.00ft (True 34)

True

Minimum Curvature

nned Survey									
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	1.50	255.03	399.99	-0.34	-1.26	1.31	1.50	1.50	0.00
500.00	3.00	255.03	499.91	-1.35	-5.06	5.23	1.50	1.50	0.00
600.00	4.50	255.03	599.69	-3.04	-11.38	11.77	1.50	1.50	0.00
700.00	6.00	255.03	699.27	-5.40	-20.21	20.92	1.50	1.50	0.00
800.00	7.50	255.03	798.57	-8.44	-31.57	32.68	1.50	1.50	0.00
900.00	9.00	255.03	897.54	-12.15	-45.43	47.03	1.50	1.50	0.00
1,000.00	10.50	255.03	996.09	-16.52	-61.79	63.96	1.50	1.50	0.00
1,100.00	12.00	255.03	1,094.16	-21.56	-80.64	83.47	1.50	1.50	0.00
1,200.00	13.50	255.03	1,191.70	-27.26	-101.96	105.54	1.50	1.50	0.00
1,300.00	15.00	255.03	1,288.62	-33.62	-125.74	130.15	1.50	1.50	0.00
1,400.00	16.50	255.03	1,384.86	-40.63	-151.96	157.30	1.50	1.50	0.00
1,433.34	17.00	255.03	1,416.78	-43.11	-161.24	166.90	1.50	1.50	0.00
1,500.00	17.00	255.03	1,480.53	-48.14	-180.07	186.39	0.00	0.00	0.00
1,600.00	17.00	255.03	1,576.16	-55.69	-208.32	215.63	0.00	0.00	0.00
1,700.00	17.00	255.03	1,671.79	-63.25	-236.56	244.87	0.00	0.00	0.00
1,800.00	17.00	255.03	1,767.42	-70.80	-264.81	274.11	0.00	0.00	0.00
1,900.00	17.00	255.03	1,863.05	-78.35	-293.05	303.34	0.00	0.00	0.00
2,000.00	17.00	255.03	1,958.68	-85.90	-321.30	332.58	0.00	0.00	0.00
2,100.00	17.00	255.03	2,054.31	-93.45	-349.54	361.82	0.00	0.00	0.00
2,200.00	17.00	255.03	2,149.94	-101.00	-377.79	391.05	0.00	0.00	0.00
2,300.00	17.00	255.03	2,245.58	-108.55	-406.03	420.29	0.00	0.00	0.00
2,400.00	17.00	255.03	2,341.21	-116.11	-434.28	449.53	0.00	0.00	0.00
2,500.00	17.00	255.03	2,436.84	-123.66	-462.52	478.77	0.00	0.00	0.00
2,565.96	17.00	255.03	2,499.91	-128.64	-481.15	498.05	0.00	0.00	0.00
2,600.00	16.66	255.03	2,532.50	-131.18	-490.67	507.91	1.00	-1.00	0.00
2,700.00	15.66	255.03	2,628.54	-138.37	-517.56	535.74	1.00	-1.00	0.00
2,800.00	14.66	255.03	2,725.06	-145.13	-542.82	561.89	1.00	-1.00	0.00
2,900.00	13.66	255.03	2,822.02	-151.44	-566.46	586.35	1.00	-1.00	0.00
3,000.00	12.66	255.03	2,919.40	-157.32	-588.45	609.12	1.00	-1.00	0.00
3,100.00	11.66	255.03	3,017.15	-162.76	-608.80	630.18	1.00	-1.00	0.00
3,200.00	10.66	255.03	3,115.26	-167.76	-627.49	649.53	1.00	-1.00	0.00
3,300.00	9.66	255.03	3,213.69	-172.32	-644.54	667.17	1.00	-1.00	0.00
3,400.00	8.66	255.03	3,312.41	-176.43	-659.91	683.09	1.00	-1.00	0.00
3,500.00	7.66	255.03	3,411.40	-180.10	-673.62	697.28	1.00	-1.00	0.00
3,600.00	6.66	255.03	3,510.62	-183.31	-685.67	709.75	1.00	-1.00	0.00
3,700.00	5.66	255.03	3,610.04	-186.09	-696.03	720.48	1.00	-1.00	0.00
3,800.00	4.66	255.03	3,709.63	-188.41	-704.72	729.47	1.00	-1.00	0.00
3,900.00	3.66	255.03	3,809.37	-190.28	-711.73	736.72	1.00	-1.00	0.00
4,000.00	2.66	255.03	3,909.22	-191.71	-717.05	742.23	1.00	-1.00	0.00
4,100.00	1.66	255.03	4,009.14	-192.68	-720.69	746.00	1.00	-1.00	0.00
4,200.00	0.66	255.03	4,109.12	-193.20	-722.65	748.03	1.00	-1.00	0.00
4,265.96	0.00	0.00	4,175.08	-193.30	-723.01	748.41	1.00	-1.00	0.00
4,300.00	0.00	0.00	4,209.12	-193.30	-723.01	748.41	0.00	0.00	0.00
4,400.00	0.00	0.00	4,309.12	-193.30	-723.01	748.41	0.00	0.00	0.00
4,500.00	0.00	0.00	4,409.12	-193.30	-723.01	748.41	0.00	0.00	0.00
4,600.00	0.00	0.00	4,509.12	-193.30	-723.01	748.41	0.00	0.00	0.00
4,700.00	0.00	0.00	4,609.12	-193.30	-723.01	748.41	0.00	0.00	0.00
4,800.00	0.00	0.00	4,709.12	-193.30	-723.01	748.41	0.00	0.00	0.00
4,900.00	0.00	0.00	4,809.12	-193.30	-723.01	748.41	0.00	0.00	0.00
5,000.00	0.00	0.00	4,909.12	-193.30	-723.01	748.41	0.00	0.00	0.00

## **EOG RESOURCES INC.**

**Planning Report** 

Database: EDM

Company: Denver Division - Utah T9S-R22E Sec 26

Site: CWU 1541-1546 26D (Pad D1\_CWU 905-26\_Se

Well: 1546-26D Wellbore: Wellbore #1 Design: APD Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method: Well 1546-26D

RIG @ 5034.00ft (True 34) RIG @ 5034.00ft (True 34)

True

Minimum Curvature

ned Survey									
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.00	0.00	0.00	5,009.12	-193.30	-723.01	748.41	0.00	0.00	0.00
5,200.00	0.00	0.00	5,109.12	-193.30	-723.01	748.41	0.00	0.00	0.00
5,300.00	0.00	0.00	5,209.12	-193.30	-723.01	748.41	0.00	0.00	0.00
5,400.00	0.00	0.00	5,309.12	-193.30	-723.01	748.41	0.00	0.00	0.00
5,500.00	0.00	0.00	5,409.12	-193.30	-723.01	748.41	0.00	0.00	0.00
5,600.00	0.00	0.00	5,509.12	-193.30	-723.01	748.41	0.00	0.00	0.00
5,700.00	0.00	0.00	5,609.12	-193.30	-723.01	748.41	0.00	0.00	0.00
5,800.00	0.00	0.00	5,709.12	-193.30	-723.01	748.41	0.00	0.00	0.00
5,900.00	0.00	0.00	5,809.12	-193.30	-723.01	748.41	0.00	0.00	0.00
6,000.00	0.00	0.00	5,909.12	-193.30	-723.01	748.41	0.00	0.00	0.00
6,100.00	0.00	0.00	6,009.12	-193.30	-723.01	748.41	0.00	0.00	0.00
6,200.00 6,300.00 6,400.00 6,500.00 6,600.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	6,109.12 6,209.12 6,309.12 6,409.12 6,509.12	-193.30 -193.30 -193.30 -193.30	-723.01 -723.01 -723.01 -723.01 -723.01	748.41 748.41 748.41 748.41 748.41	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
6,700.00	0.00	0.00	6,609.12	-193.30	-723.01	748.41	0.00	0.00	0.00
6,800.00	0.00	0.00	6,709.12	-193.30	-723.01	748.41	0.00	0.00	0.00
6,900.00	0.00	0.00	6,809.12	-193.30	-723.01	748.41	0.00	0.00	0.00
7,000.00	0.00	0.00	6,909.12	-193.30	-723.01	748.41	0.00	0.00	0.00
7,090.88	0.00	0.00	7,000.00	-193.30	-723.01	748.41	0.00	0.00	0.00
CWU 1546									
7,100.00	0.00	0.00	7,009.12	-193.30	-723.01	748.41	0.00	0.00	0.00
7,200.00	0.00	0.00	7,109.12	-193.30	-723.01	748.41	0.00	0.00	0.00
7,300.00	0.00	0.00	7,209.12	-193.30	-723.01	748.41	0.00	0.00	0.00
7,400.00	0.00	0.00	7,309.12	-193.30	-723.01	748.41	0.00	0.00	0.00
7,500.00	0.00	0.00	7,409.12	-193.30	-723.01	748.41	0.00	0.00	0.00
7,600.00	0.00	0.00	7,509.12	-193.30	-723.01	748.41	0.00	0.00	0.00
7,700.00	0.00	0.00	7,609.12	-193.30	-723.01	748.41	0.00	0.00	0.00
7,800.00	0.00	0.00	7,709.12	-193.30	-723.01	748.41	0.00	0.00	0.00
7,900.00	0.00	0.00	7,809.12	-193.30	-723.01	748.41	0.00	0.00	0.00
8,000.00	0.00	0.00	7,909.12	-193.30	-723.01	748.41	0.00	0.00	0.00
8,100.00	0.00	0.00	8,009.12	-193.30	-723.01	748.41	0.00	0.00	0.00
8,200.00	0.00	0.00	8,109.12	-193.30	-723.01	748.41	0.00	0.00	0.00
8,300.00	0.00	0.00	8,209.12	-193.30	-723.01	748.41	0.00	0.00	0.00
8,400.00	0.00	0.00	8,309.12	-193.30	-723.01	748.41	0.00	0.00	0.00
8,500.00	0.00	0.00	8,409.12	-193.30	-723.01	748.41	0.00	0.00	0.00
8,600.00 8,700.00 8,800.00 8,900.00 9,000.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	8,509.12 8,609.12 8,709.12 8,809.12 8,909.12	-193.30 -193.30 -193.30 -193.30	-723.01 -723.01 -723.01 -723.01 -723.01	748.41 748.41 748.41 748.41 748.41	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
9,100.00	0.00	0.00	9,009.12	-193.30	-723.01	748.41	0.00	0.00	0.00
9,200.00	0.00	0.00	9,109.12	-193.30	-723.01	748.41	0.00	0.00	0.00
9,300.00	0.00	0.00	9,209.12	-193.30	-723.01	748.41	0.00	0.00	0.00
9,400.00	0.00	0.00	9,309.12	-193.30	-723.01	748.41	0.00	0.00	0.00
9,440.88	0.00	0.00	9,350.00	-193.30	-723.01	748.41	0.00	0.00	0.00

## **EOG RESOURCES INC.**

**Planning Report** 

Database: EDM

Company: Denver Division - Utah T9S-R22E Sec 26

Site: CWU 1541-1546 26D (Pad D1\_CWU 905-26\_Se

Well: 1546-26D Wellbore: Wellbore #1 Design: APD Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

**Survey Calculation Method:** 

Well 1546-26D

RIG @ 5034.00ft (True 34) RIG @ 5034.00ft (True 34)

True

Minimum Curvature

Targets									
Target Name - hit/miss target - Shape	Dip Angle (deg)	Dip Dir. (deg)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
CWU 1546-26D - plan hits target		0.00	7,000.00	-193.30	-723.01	-109,786.59	2,587,870.19	40° 0' 45.070 N	109° 24' 5.571 W



# Chapita Wells Unit 1541-26D through 1546-26D Surface Use Plan Section 26, T9S, R22E Uintah County, Utah

EOG Resources, Inc.'s (EOG) conventional oil/gas wells are located approximately 51.3 miles south of Vernal, Utah within Uintah County. This project consists of six (6) new wells to be constructed on the existing well pad for Chapita Wells Unit 905-26, and Chapita Wells Unit 36-26.

The proposed wells are located on federal surface. Title to the oil and gas mineral interest is federally owned and is administered by the Vernal Field Office of the Bureau of Land Management (BLM).

The proposed wells are conventional gas wells producing from the Mesaverde formation. Unproductive drill holes will be plugged and abandoned as soon as evaluation of the production intervals is conclusive.

This project applies to the following new proposed wells.

Well Name & Number	QTR	Section	Township	Range	Total Depth
Chapita Wells Unit 1541-26D	NENE	26	98	22E	Total Beptil
Chapita Wells Unit 1542-26D	NENE	26	98	22E	
Chapita Wells Unit 1543-26D	NENE	26	98	22E	
Chapita Wells Unit 1544-26D	NENE	26	98	22E	
Chapita Wells Unit 1545-26D	NENE	26	98	22E	
Chapita Wells Unit 1546-26D	NENE	26	98	22E	

The proposed action is to directionally drill five conventional gas wells to the Mesaverde formation.

The proposed action involves:

Activity	Length (ft)	Width (ft)	Acres of Disturbance
Existing Disturbance	270	180	2.469
New Disturbance	300	70	0.48
Cut/fills & Topsoil/spoil stockpile	Varies	Varies	00
Access Road	Existing	Existing	0
Total New Disturbance			0.48

EOG will build each pad to accommodate up to six wells. The acres of disturbance provided above are the maximum disturbance expected for each pad.

The proposed well locations require the construction of six (6) engineered (cut & fill) well pads. The total surface disturbance associated with the construction of these locations is approximately 2.95 acres. This figure includes disturbance associated with the well pads, the spoil and topsoils storage areas, and the construction equipment and vehicle disturbance.

## 1. EXISTING ROADS:

Refer to Sheet # 4 and Sheet # 5 for location of existing access roads.

The proposed locations are approximately 50.8 miles from Vernal, Utah.

Directions to the proposed locations are provided on the front page of the location plats.

The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations. Maintenance of the roads to the proposed locations will continue until abandonment and reclamation of the wells.

A federal road right of way is not required, Uintah County roads and authorized Unit roads will be used to access the proposed well site.

## 2. Access Roads to be Constructed:

No new roads will be required to access the proposed well site.

Roads and associated drainage structures will be maintained in accordance with guidelines contained in the joint BLM/USFS publication: *Surface Operating Standards for Oil and Gas Exploration and Development*, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

If existing access road, proposed access road and/or well pad are dry during construction, drilling and/or completion activities, water will be applied to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

## 3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

Please refer to Topo C for the location of existing wells within a one-mile radius of the proposed wells.

## 4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

See the proposed *Production Facility Layout* diagrams showing the proposed production facilities to be utilized on Figure 3.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope.

All permanent (on site for six months or longer) structures constructed or installed (including

pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. All facilities will be painted with Carlsbad Canyon. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded

Containment berms will be constructed completely around production facilities designed to hold fluids (i.e., production tanks, produced water tanks, and/or heater/treater). The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 110 percent of the capacity of the largest tank, and be independent of the back cut.

All safety measures have been considered in the design, construction, operation, and maintenance of the facility. EOG will have a designated representative present during construction. Any accidents to persons or property on federal lands will immediately be reported to the Authorized Officer.

Production facilities will be set on location if the wells are successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) to eight (8) 400-bbl and one (1) 300-bbl vertical tanks and attaching piping.

Gas gathering lines – A 4" gathering line will be buried from dehy to the edge of the location.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

Water supply will be Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)).

Water will be hauled by a licensed trucking company.

No water well will be drilled on lease.

## 6. Source of Construction Materials:

Any construction materials that may be required for surfacing of the drill pads and access roads will be obtained from a contractor having a permitted source of materials within the general area.

No construction materials will be removed from Federal or Indian lands without prior approval from the appropriate surface management agency.

## 7. METHODS OF HANDLING WASTE DISPOSAL:

Cuttings and drilling fluids will be contained within the closed loop system. Cutting will be dried on site hauled to an authorized disposal site and/or spread on the access road and well pad.

Fracture stimulation fluids will be flowed back into (above ground tanks) closed loop system and hauled to a DEQ authorized disposal site

A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at an authorized site.

well. Disposal will be at an authorized site.

All garbage and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage. Upon completion of operations, or as needed, the accumulated trash will be transported to a state approved waste disposal site. No trash will be placed in the reserve pit.

Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location. Any open pits will be fenced during drilling operations and said fencing will be maintained until such time as the pits have been backfilled.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

## 8. ANCILLARY FACILITIES:

None anticipated.

## 9. WELL SITE LAYOUT:

See the attached diagrams showing the proposed drill pad cross sections and cut and fills in relation to topographic features as well as access onto the pad and soil stockpiles.

All equipment and vehicles will be confined to the approved disturbed areas of this APD (i.e., access road, well pad, and spoil and topsoil storage areas).

If necessary, in order to divert surface runoff, a drainage ditch will be constructed around the upslope side of the well site.

The fill section of the pad that supports the drilling rig and any other heavy equipment will be compacted.

## **Closed Loop System:**

The closed loop system will be installed in a manner that preventing leaks, breaks, or discharge. Drill cutting will be contained in an area approximately 50' x 100'. The surface drill cuttings pile will be bermed and lined with bentonite. Drill cuttings will be dried and spread on location. More stringent protective requirements may be deemed necessary by the A.O.

The closed loop system will be constructed in a way that minimizes the accumulation of

surface precipitation runoff into the cuttings containment area. This may be accomplished by appropriate placement of subsoil/topsoil storage areas and/or construction of berms or ditches.

The closed loop system will be fenced on three sides during drilling operations and the fourth side will be fenced after the drilling rig moves off the location. This fence will be either: (1) woven wire at least 28 inches high and within 4 inches of ground surface with 2 strands of barbed wire above the woven wire with 10 inch spacing, or (2) at least 4 strands of barbed wire spaced, starting from the ground, at approximately 6, 8, 10, and 12 inch intervals.

Siphons, catchments, drip pans, and absorbent pads will be installed to keep hydrocarbons produced by the drilling and/or completion rigs from entering the closed loop system. Hydrocarbons and contaminated pads will be disposed of in accordance with Utah DEQ requirements.

## 10. Plans for Reclamation of the Surface:

#### A. Interim Reclamation:

Rat and mouse holes will be filled and compacted from bottom to top immediately upon release of the drilling rig from the location.

Topsoil from the berms and/or storage piles will be spread along the road's cut and fill slopes. Drainage ditches or culverts will not be blocked with topsoil and associated organic matter. The unused area of the pad will be recontoured and topsoil spread six inches deep. The area on the contour will be ripped one foot deep using ripper teeth set on one-foot centers. The topsoil areas and reclaimed area of the well pad will be seeded as stated below.

All disturbed areas will be seeded using a drill equipped with a depth regulator. All seed will be drilled on the contour. The seed will be planted between one-quarter and one-half inch deep. Where drilling is not possible (i.e., too steep or rocky), the seed will be broadcast and the area raked or chained to cover the seed. If the seed mixture is broadcast, the rate will be doubled. EOG will use a seed mixture and application rate approved by the landowners.

Seeding will be done in compliance with EOG's approved reclamation plan. Seeding shall be repeated until a satisfactory stand, as determined by the authorized officer, is obtained. The first evaluation of growth will be made following completion of the first growing season after seeding.

The average size of the pads after reclamation is approximately 1.39 to 2.00 acres (see the attached *Production Facility Layout*).

## B. Final Reclamation:

Upon final abandonment of the well, EOG will submit a sundry notice describing the proposed reclamation plan for approval by the Authorized Officer.

Configuration of the re-shaped topography will be returned, as near as possible, to the original condition. Cut and fill slopes will be 3 to 1 or less. All topsoil will be re-stripped from interim reclamation and redistributed over the entire location. The entire location

The reclaimed locations and access roads will be re-seeded with the recommended seed mixture.

Monitoring will be conducted by a qualified Operator representative (in coordination with the BLM) following initial rehabilitation work. Monitoring areas will be re-examined at the end of the first growing season. Results will be documented in a report to the BLM. Problem areas identified during monitoring will receive follow-up rehabilitation/erosion control measures. The seeding shall be repeated until a satisfactory stand, as determined by the authorized officer, is obtained.

#### 11. SURFACE OWNERSHIP:

Surface ownership of the proposed well sites, is as follows:

**Bureau of Land Management** 

#### 12. OTHER INFORMATION:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Weeds will be controlled on disturbed areas within the exterior limits of the access road and well pad. The control methods shall be in accordance with guidelines established by the EPA, BLM, state, and local authorities. Approval will be obtained from the Authorized Officer prior to use of pesticides.

EOG will inform all persons in the area who are associated with this project that they may be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials and contact the Authorized officer. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

A cultural resources survey was conducted and submitted by Montgomery Archaeological Consultants on 7/11/2007. A paleontological survey was conducted and submitted by Intermountain Paleo on 7/11/2007.

## LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

## **PERMITTING AGENT**

Kaylene R. Gardner EOG Resources, Inc. 1060 East Highway 40 Vernal, UT 84078 (435) 781-9111

173 1287 100 10

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

## **CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the referenced wells, located in the NENE, of Section 26, T9S, R22E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

Date

Sr. Regulatory Specialist

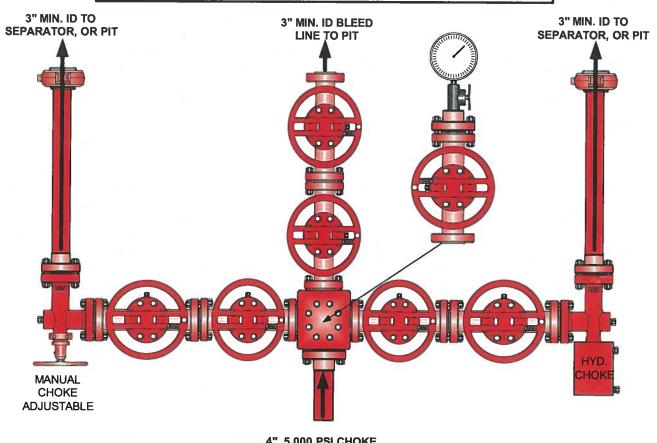
**CONFIGURATION** ROTATIN HEAD ANNULAR PREVENTER 11" 5k R-54 **BLIND RAMS** PIPE RAMS 4-1/16" 5,000 HCR VALVE 4-1/16" 5,000 MANUAL VALVE 11" 5k R-54 2-1/16" 5,000 2-1/16" 5,000 MANUAL VALVES CHECK VALVE 11" 5k FMC DRILLING CONNECTOR, 111-5,000 X DTO PREP -13-3/8" **-** 9-5/8"

EOG RESOURCES 11" 5,000 PSI W.P. BOP

PAGE 1 OF 2

# EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

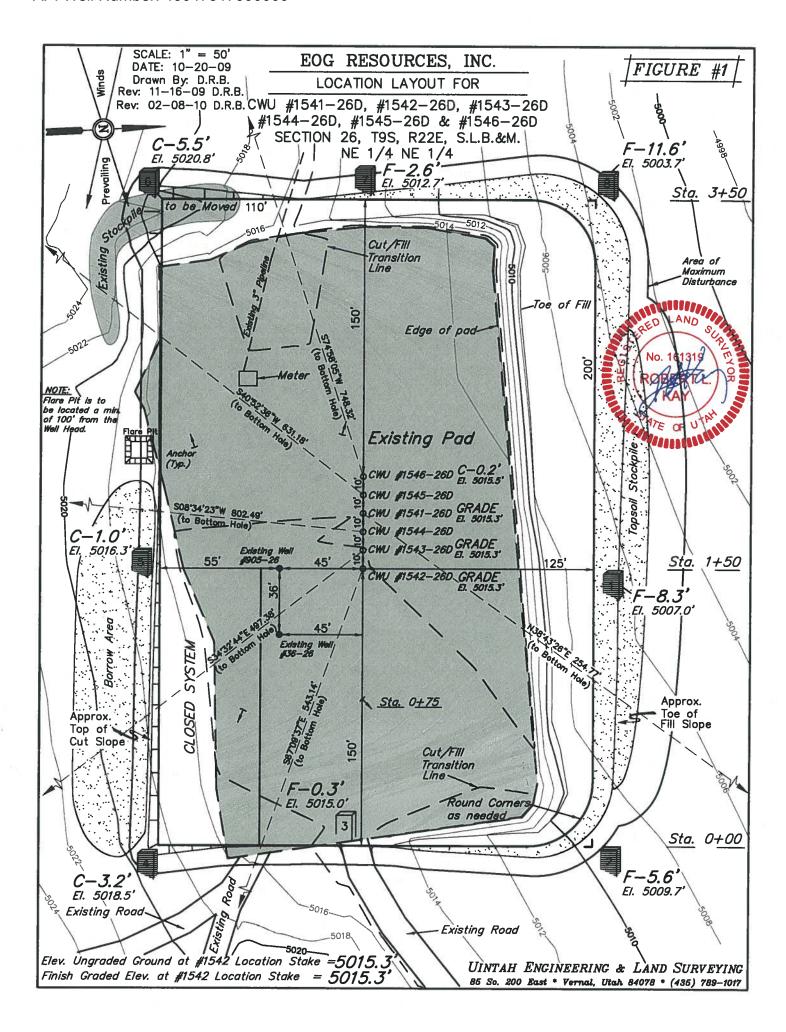
**PAGE 2 0F 2** 

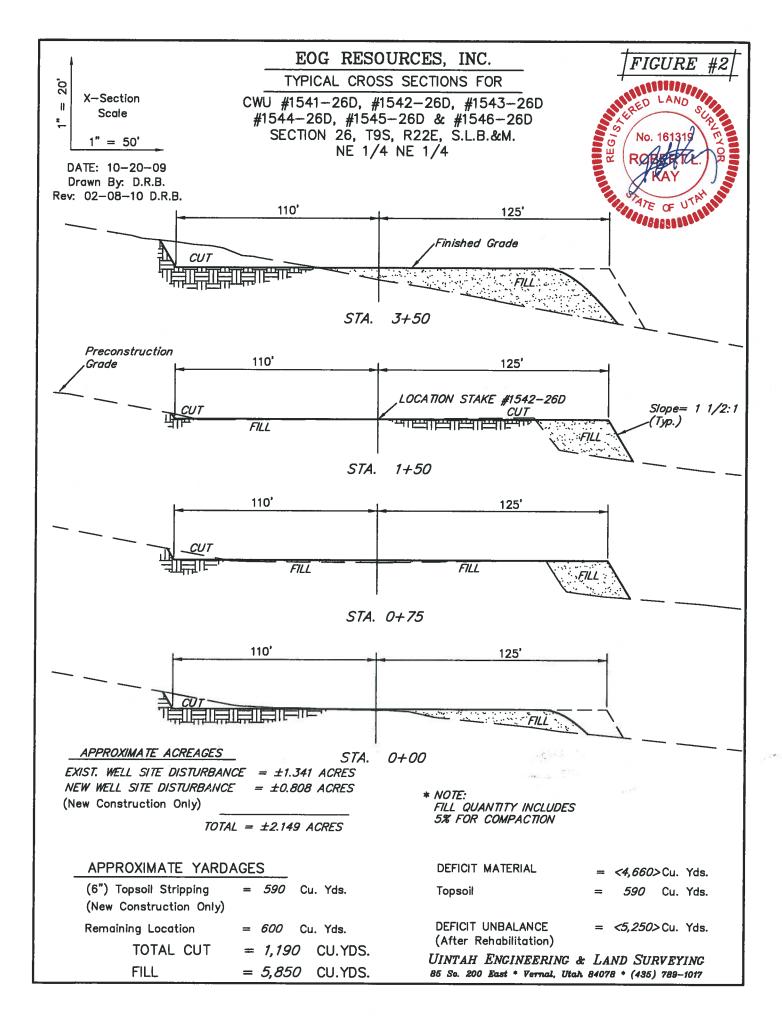


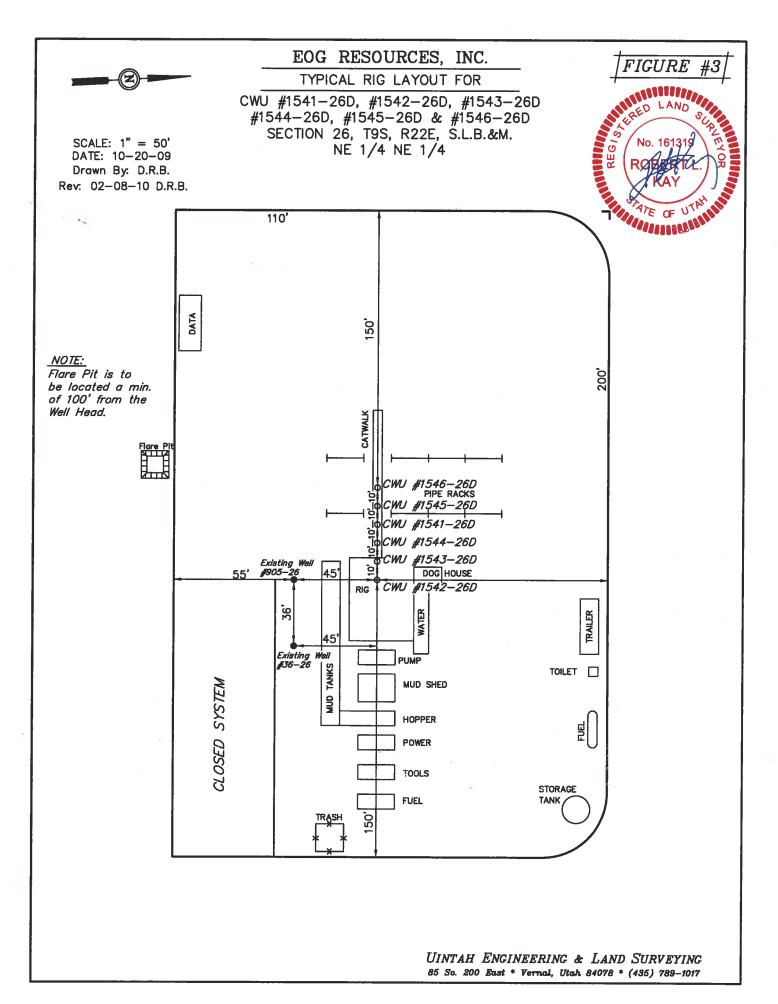
4" 5,000 PSI CHOKE LINE FROM HCR VALVE

## **Testing Procedure:**

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.









## EOG RESOURCES, INC.

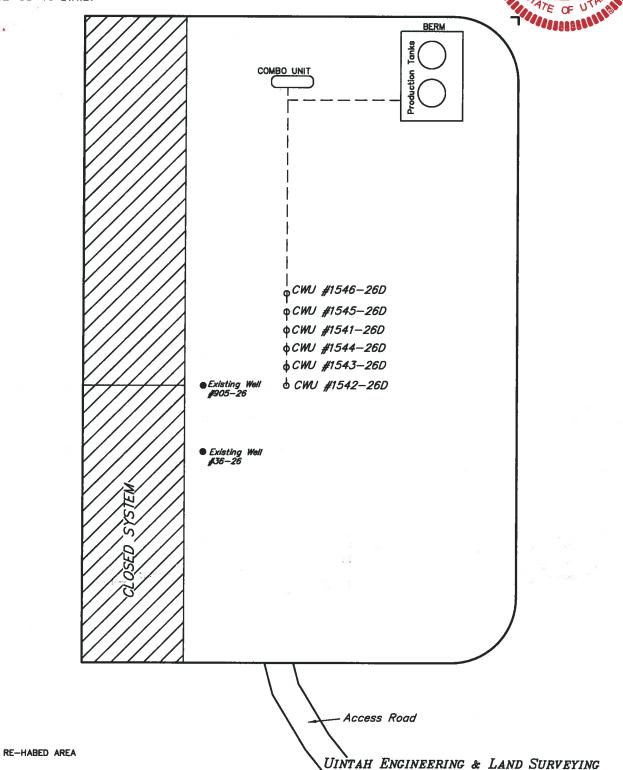
## PRODUCTION FACILITY LAYOUT FOR

CWU #1541-26D, #1542-26D, #1543-26D #1544-26D, #1545-26D & #1546-26D SECTION 26, T9S, R22E, S.L.B.&M. NE 1/4 NE 1/4

SCALE: 1" = 50' DATE: 10-20-09 Drawn By: D.R.B. Rev: 02-08-10 D.R.B.

FIGURE BERM

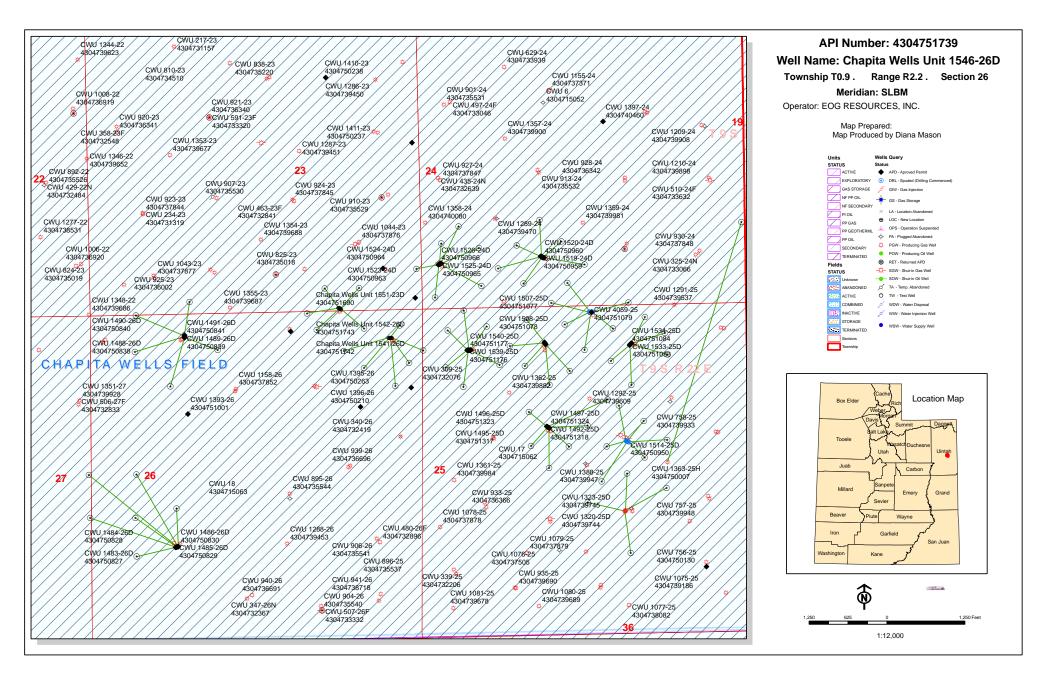
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789—1017



## EOG RESOURCES, INC. CWU #1541-26D, #1542-26D, #1543-26D, #1544-26D, #1545-26D & #1546-26D SECTION 26, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST: TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH: TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN SOUTHWESTERLY DIRECTION APPROXIMATELY 300' TO THE CWU #36-26 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.8 MILES.



## **United States Department of the Interior**

## BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

August 3, 2011

Memorandum

Assistant District Manager Minerals, Vernal District To:

From: Michael Coulthard, Petroleum Engineer

2011 Plan of Development Chapita Wells Unit

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Chapita Wells Unit, Uintah County, Utah.

API# WELL NAME LOCATION

(Proposed PZ MESA VERDE)

BHL Sec 26 T09S R22E 0857 FNL 0210 FEL

43-047-51741 CWU 1543-26D Sec 26 T09S R22E 0447 FNL 0491 FEL

43-047-51731 CWU 1544-26D Sec 26 T09S R22E 0447 FNL 0501 FEL BHL Sec 26 T09S R22E 1240 FNL 0624 FEL

43-047-51739 CWU 1546-26D Sec 26 T09S R22E 0445 FNL 0531 FEL BHL Sec 26 T09S R22E 0639 FNL 1255 FEL

43-047-51740 CWU 1545-26D Sec 26 T09S R22E 0446 FNL 0521 FEL BHL Sec 26 T09S R22E 0923 FNL 0936 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard on Bureau of Land Management, Out-Branch of Minerals, email=Michael\_Coulthard@blm.gov, c=US Date: 2011.08.03 11:43:26-06:00'

bcc: File - Chapita Wells Unit

Division of Oil Gas and Mining

Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:8-3-11

## **WORKSHEET** APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 6/24/2011 **API NO. ASSIGNED:** 43047517390000

WELL NAME: Chapita Wells Unit 1546-26D

**PHONE NUMBER:** 435 781-9145 **OPERATOR:** EOG Resources, Inc. (N9550)

**CONTACT: Mickenzie Gates** 

PROPOSED LOCATION: NENE 26 090S 220E **Permit Tech Review:** 

> **SURFACE:** 0445 FNL 0531 FEL **Engineering Review:**

**BOTTOM:** 0639 FNL 1255 FEL Geology Review:

**COUNTY: UINTAH** 

**LEASE TYPE:** 1 - Federal

**LATITUDE:** 40.01308 **LONGITUDE:** -109.39890 **UTM SURF EASTINGS: 636650.00** NORTHINGS: 4430227.00

FIELD NAME: NATURAL BUTTES

**LEASE NUMBER: UTU0285A** PROPOSED PRODUCING FORMATION(S): MESA VERDE

SURFACE OWNER: 1 - Federal **COALBED METHANE: NO** 

**RECEIVED AND/OR REVIEWED: LOCATION AND SITING:** 

 PLAT R649-2-3.

Unit: CHAPITA WELLS Bond: FEDERAL - NM2308

**Potash** R649-3-2. General

✓ Oil Shale 190-5

Oil Shale 190-3 R649-3-3. Exception

Oil Shale 190-13 **Drilling Unit** 

Board Cause No: Cause 187-07 Water Permit: 49-225

**Effective Date:** 8/10/1999 **RDCC Review:** 

Siting: Suspends General Siting **Fee Surface Agreement** 

**Intent to Commingle** ▼ R649-3-11. Directional Drill

**Commingling Approved** 

**Comments:** Presite Completed

Stipulations:

4 - Federal Approval - dmason 15 - Directional - dmason 17 - Oil Shale 190-5(b) - dmason

API Well No: 43047517390000



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

## **Permit To Drill**

\*\*\*\*\*

Well Name: Chapita Wells Unit 1546-26D

**API Well Number:** 43047517390000

Lease Number: UTU0285A Surface Owner: FEDERAL Approval Date: 8/3/2011

#### **Issued to:**

EOG Resources, Inc., 600 17th Street, Suite 1000 N, Denver, CO 80202

## **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 187-07. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

## **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

API Well No: 43047517390000

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

**Approved By:** 

For John Rogers Associate Director, Oil & Gas

	STATE OF UTAH		FORM 9
	DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A
SUND	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	sals to drill new wells, significantly deeper ugged wells, or to drill horizontal laterals. I		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1546-26D
2. NAME OF OPERATOR: EOG Resources, Inc.			<b>9. API NUMBER:</b> 43047517390000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		DNE NUMBER: 11 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0445 FNL 0531 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 26	IP, RANGE, MERIDIAN: Township: 09.0S Range: 22.0E Meridian:	S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	☐ CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	CHANGE WELL NAME
12/8/2011	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
	DEEPEN	FRACTURE TREAT	□ NEW CONSTRUCTION
SUBSEQUENT REPORT Date of Work Completion:	OPERATOR CHANGE	□ PLUG AND ABANDON	☐ PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
Date of Spud.	TUBING REPAIR	UENT OR FLARE	WATER DISPOSAL
	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
DRILLING REPORT Report Date:			-
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
EOG Resources, Inc.	per proper tions. Clearly show all per respectfully requests authorized hed: Float Equipment: Item 5 Cement Program: Item	ration to change the Drillir , Mud Program: Item 6 ar	ng
NAME (PLEASE PRINT)	PHONE NUMBER		
Mickenzie Gates	435 781-9145	Operations Clerk	
SIGNATURE N/A		<b>DATE</b> 12/8/2011	

#### 5. Float Equipment:

#### **Surface Hole (0'- 2200'±)**

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1 in middle of shoe joint, then top of every joint for next 7 joints. (8 total)

#### Production Hole (2200'± - TD):

Float shoe, 1 joint of casing, float collar and balance of casing to surface.  $4-\frac{1}{2}$ ", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. 1 turbulizer to be placed 5' above shoe on joint #1 and on the middle of joints #2 & #3. Conventional bow-spring centralizer on top of joint #4, then every  $3^{rd}$  joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of  $2^{nd}$  joint.

#### MUD PROGRAM

#### Surface Hole (Surface - 2200'±):

Air/Air mist/Aerated water\* (\*A standby water source will be available at all times to act as a kill medium when conducting air drilling operations)

or

A closed-loop system utilizing a gelled bentonite mud will be employed. LCM sweeps, additions, etc. will be used as necessary.

#### Production Hole (2200'± - TD):

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15 cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

#### 9. CEMENT PROGRAM:

#### Surface Hole (Surface - 2200'±):

**Lead:** Lead volume to be calculated to bring cement from 500' above casing shoe to surface. Lead cement will be:

130 sx. HES VariCem (Type III) + 2% Cal-Seal (Thixotropic Additive) + 0.3% Versaset (Thixotropic Additive) + 2% Econolite (Light Weight Additive), mixed at 10.5 ppg, 4.10 cfps, 26.88 gps fresh water

Tail: Tail volume to be calculated to bring cement 500' above casing shoe. Tail cement will be:

135 sx. HES HalCem (Type V) + 2% CaCl<sub>2</sub> (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps fresh water

**Top Out:** As necessary with:

HES HalCem (Type V) + 2% CaCl<sub>2</sub> (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps fresh water

Note: The above number of sacks are calculated based on gauge hole. Final field cement volumes will be based on gauge hole plus 70% excess on the lead slurry and gauge hole plus 100% excess on the tail slurry.

#### Production Hole (2200'± - TD)

**Lead:** Lead volume to be calculated to bring cement from 400' above top of Wasatch Formation to 200'± above 9 5/8" surface casing shoe. For improved mud displacement, lead slurry weight will be a minimum of 0.5 ppg over mud weight utilized at well TD and vary from 11.0 – 13.0 ppg.

If lead slurry weight required is 11.0 ppg – 12.5 ppg, cement will be:

HES Highbond 75 (75/25 Poz/G) + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)

Calculated sacks with corresponding mixed slurry weights, yields and water requirements for above cement will be as follows:

- 210 sx. if 11.0 ppg, 2.52 cfps, 14.96 gps fresh water
- 245 sx. if 11.5 ppg, 2.12 cfps, 11.98 gps fresh water
- 285 sx. if 12.0 ppg, 1.83 cfps, 9.82 gps fresh water
- 325 sx. if 12.5 ppg, 1.61 cfps, 8.17 gps fresh water

If lead slurry weight required is 13.0 ppg, cement will be:

320 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.0 ppg, 1.63 cfps, 8.16 gps fresh water

**Tail:** Tail volume to be calculated to bring cement from TD to 400' above top of Wasatch Formation. Tail cement will be:

810 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water

Note: The above number of sacks in all cases are calculated based on gauge hole. Final field cement volumes will be based on gauge hole plus 50% excess on the lead slurry and gauge hole plus 70% excess on the tail slurry.

Form 3160-3 (August 2007)

UNITED STATES

FORM APPROVED OMB No. 1004-0137 Expires July 31, 2010

DEFARINENT OF LDE INTERIOR				5. Lease Serial No. UTU0285A		
APPLICATION FOR PERMIT TO DAIL OF REENTER					e or Tribe Name	
la. Type of work:	ER			7 If Unit or CA Agr CHAPITA WELLS	eement, Name and No.	
lb. Type of Well: Oil Well Gas Well Other	√ Si	ngle Zone Mult	ple Zone	8. Lease Name and CHAPITA WELLS		
2. Name of Operator EOG Resources, Inc.				9. API Well No.	151739	
3a. Address 1060 East Highway 40, Vernal UT 84078	3b. Phone No 435-781-9	). (include area code) 111		10. Field and Pool, or NATURAL BUTTE	Exploratory	
4. Location of Well (Report location clearly and in accordance with any	State requirem	nents.*)		11. Sec., T. R. M. or F	Blk. and Survey or Area	
At surface (NENE) 445 FNL, 531 FEL, 40.013017 Lat, 10	9.399650 L	.on		SEC 26, T9S, R22	E, S.L.B.&M.	
At proposed prod. zone (NENE) 639FNL, 1255 FEL, 40.012	2486 Lat,10	9.402231 Lon				
14. Distance in miles and direction from nearest town or post office* 50.8 MILES FROM VERNAL				12. County or Parish UINTAH	13. State UT	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of a 1800	cres in lease	17. Spacin	g Unit dedicated to this	well	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed 9350 TVD	•	20. BLM/I NM2308	BIA Bond No. on file		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5015 NAT GL	22. Approxi	nate date work will sta	rt*	23. Estimated duratio 45 DAYS	n	
	24. Attac	hments				
The following, completed in accordance with the requirements of Onshore	Oil and Gas	Order No.1, must be a	ttached to thi	s form:		
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System L SUPO must be filed with the appropriate Forest Service Office).</li> </ol>	ands, the	Item 20 above).  5. Operator certific	eation		existing bond on file (see	
25_Signature	<b>I</b>	(Printed/Typed)			Date	
Pitle St. Regulatory Specialist	Kayle	ne R. Gardner		-	06/16/2011	
Approved by (Signature)	Name	(Printed/Juned)	Kencz	:ka	Date DEC 1 2 2011	
Title Assistant Field Manager Lands & Mineral Resources	Office		•	OFFICE		
Application approval does not warrant or certify that the applicant holds conduct operations thereon.  Conditions of approval, if any, are attached.	legal or equit		_	ect lease which would en	ntitle the applicant to	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crim	ne for any pe			- A - A - A - A - A - A - A - A - A - A	r agency of the United	

(Continued on page 2)

\*(Instructions on page 2)

**RECEIVED** DEC 1 4 2011

NOTICE OF APPROVAL



DIV. OF OIL, GAS & MINING



#### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE**

**VERNAL, UT 84078** 

(435) 781-4400



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No:

API No:

EOG Resources. Inc.

170 South 500 East

CWU 1546-26D

43-047-51739

Location: Lease No: NENE, Sec. 26, T9S, R22E

UTU-0285A

Agreement:

OFFICE NUMBER:

(435) 781-4400

**OFFICE FAX NUMBER: (435) 781-3420** 

#### A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

#### **NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to:  blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	_	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 6 Well: CWU 1546-26D 12/12/2011

#### SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 designrated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop
  work and contact the Authorized Officer (AO). A determination will be made by the AO as to what
  mitigation may be necessary for the discovered paleontologic material before construction can
  continue.
- Surface pipelines will be placed 5-10 feet outside of the borrow area.
- Monitor the initial ground disturbing construction of the well pad by a qualified permitted
  paleontologist and thereafter spot-monitor the location during the remainder of the construction
  process. Report all mitigation-curation of vertebrates and other scientifically significant fossils that
  may be affected by the construction.

Page 3 of 6 Well: CWU 1546-26D

12/12/2011

#### DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### SITE SPECIFIC DOWNHOLE COAs:

- Cement for the surface casing shall be circulated to surface and/or topped off.
- Gamma ray Log shall be run from Total Depth to Surface.
- Cement for the production casing must be brought to at least 200' above the surface casing shoe.
- Variances Granted: Air Drilling
- Properly lubricated and maintained rotating head. Variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore. Variances granted for blooie line discharge to be 75' from the well bore and may not be straight.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for rig mounted air compressors located within 40' of the well.
- In lieu of mud products on location, operator will have sufficient water on location for the mud kill medium during air drilling operations.
- Automatic igniter. Variance granted for igniter, a diffuser will be used instead. Operator will mount a
  deflector at the end of the blooie line to change direction and reduce the velocity of the cuttings flow
  to the reserve pit.
- De-dusting Equipment. Variance granted, dust controlled by water mist during air drilling operations.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

Page 4 of 6 Well: CWU 1546-26D 12/12/2011

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is
  encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal
  Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
   Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 5 of 6 Well: CWU 1546-26D 12/12/2011

#### **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at <a href="https://www.ONRR.gov">www.ONRR.gov</a>.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
  notified when it is placed in a producing status. Such notification will be by written communication
  and must be received in this office by not later than the fifth business day following the date on
  which the well is placed on production. The notification shall provide, as a minimum, the following
  informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and/or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be
  reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported
  verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will
  be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of
  Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

Page 6 of 6 Well: CWU 1546-26D 12/12/2011

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office
  Petroleum Engineers will be provided with a date and time for the initial meter calibration and all
  future meter proving schedules. A copy of the meter calibration reports shall be submitted to the
  BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid
  hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall
  be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to
  the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first.
  All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All
  product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in
  accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering
  lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a
  suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be
  obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior approval
  of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior
  approval of the BLM Vernal Field Office shall be obtained and notification given before resumption
  of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH			FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen ggged wells, or to drill horizontal laterals. U		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1546-26D
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047517390000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		NE NUMBER: 1 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0445 FNL 0531 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 26	IP, RANGE, MERIDIAN: Township: 09.0S Range: 22.0E Meridian: S	;	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud: 12/19/2011	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
	MPLETED OPERATIONS. Clearly show all pert referenced well was spud on 1		olumes, etc.
NAME (PLEASE PRINT) Nanette Lupcho	<b>PHONE NUMBER</b> 435 781-9157	TITLE Regulatory Assistant	
SIGNATURE	422 101 2121	DATE	
N/A		12/20/2011	

SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drift new wells, significantly deepen existing wells below current outcome his depth render played will be wells, significantly deepen existing wells below current outcome his depth render played will be wells, significantly deepen existing wells below current outcome his depth proposals.  1, TYPE OF PERATOR:  2, NAME OF OPERATOR:  2, NAME OF OPERATOR:  2, NAME OF OPERATOR:  3, ADDRESS OF OPERATOR:  4, 1000 Each trightney did, Vernal, UT, 84078  4, 1000 Each trig		FORM 9		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hold depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO PERMIT PERM		DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINI		
Dotton-hole depth, reentire plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMITT TO  CAMBELL from for such proposals.  1. TYPE OF WELL  Gas Well  2. NAME OF OPERATOR:  2. NAME OF OPERATOR:  3. ADDRESS OF OPERATOR:  4. DOCTION 910 (1) (1) (1) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4			_	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Can Med Popeartors:  2 NAME OF DEATOR:  3 ADDRESS OF OPERATOR:  43947517390000  3 ADDRESS OF OPERATOR:  43947517390000  435781-9111 Ext:  43947517390000  4395781-9111 Ext:  5 PHONE NUMBER:  43947517390000  5 NATURAL BUILTES  COUNTY:  UINTAI  UINTAI  11.  CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  ACIDIZE  ACIDIZE  ACIDIZE  CHARGE TO PREVIOUS PLANS  CHARGE TURNE CHARGE TURNE  CHARGE TURNE  CHARGE TURNE  CHARGE TURNE  CHARGE TO PREVIOUS PLANS  CHARGE TURNE  CHARGE TURNE	bottom-hole depth, reenter plu	igged wells, or to drill horizontal laterals. Us		
ADDRESS OF OPERATOR:  3. ADDRESS OF OPERATOR:  3. ADDRESS OF OPERATOR:  4. LOCATION OF WELL  FORTIAGE AS SUBJECT.  OTRIA/OTR, SECTION, TOWNSHIP, BANGE, MERIDIAN:  QUI/QT: NENE Section; 26 Township: 09.05 Range: 22.0E Meridian: S  11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  ACIDIZE  ACIDIZE				
ALDICATION OF WELL POOTAGES AT SURFACE: OA45 FIN. 1531 FEL OA45 FIN. 1				
ONTAGES AT SURFACE: ORAS FRUO STORMSHIP, RAMGE, MERIDIAN: ORAS FRUO SECTION, TOWNSHIP, RAMGE, MERIDIAN: ORAS FRUO REPORT OR SUBMISSION  TYPE OF SUBMISSION  TYPE OF ACTION  TYPE OF ACTION  TYPE OF ACTION  ACTIVE  ACTIVE  CHANGE TO PREVIOUS PLANS CHANGE TO PLANS CHANGE TO PREVIOUS PLANS CHANGE TO PLANS C				
11.  CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION    ACIDIZE	FOOTAGES AT SURFACE: 0445 FNL 0531 FEL			
TYPE OF SUBMISSION    ACIDIZE				- · · · · · ·
ACIDIZE	11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA
NOTICE OF INTENT Approximate date work will start:   CHANGE WELL STATUS   COMMINGLE PRODUCTING FORMATIONS   CONVERT WELL TYPE   DIESEQUENT REPORT   DIESE OF SPUID.   PRODUCTION START OR RESUME   RECLAMATION OF WELL SITE   RECOMPLETE DIFFERENT FORMATION     DRILLING REPORT   WATER SHUTOFF   SITA STATUS EXTENSION   APPO EXTENSION     17/19/2011   DIESECRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  No activity has occurred since spud on 12/19/2011.  NAME (PLEASE PRINT)   PHONE NUMBER   TITLE     RECOMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  No activity has occurred since spud on 12/19/2011.  SIGNATURE   DATE    PHONE NUMBER   TITLE     REQUIATOR SASISTANT     REPURSON   PHONE NUMBER   TITLE     RECLAMBITOR SASISTANT     REPURSON   PHONE NUMBER   TITLE     RECLAMBITOR SASISTANT     REPURSON   PHONE NUMBER   TITLE     RECLAMBITOR SASISTANT     REPURSON   PHONE NUMBER   PHONE NUMBER     REPURSON   PHONE NUM	TYPE OF SUBMISSION		TYPE OF ACTION	
Approximate date work will start:    CHANGE WELL STATUS   COMMINGLE PRODUCING FORMATIONS   CONVERT WELL TYPE     Date of Work Completion:   DEEPEN   FRACTURE TREAT   NEW CONSTRUCTION     OPERATOR CHANGE   PLUG AND ABANDON   PLUG BACK     SPUD REPORT   Date of Spud:   RECEPPORT   RECLAMATION OF WELL SITE   RECOMPLETE DIFFERNT FORMATION     REPERFORATE CURRENT FORMATION   SIDETRACK TO REPAIR WELL   TEMPORARY ABANDON     TUBING REPAIR   VENT OR FLARE   WATER DISPOSAL     MATER SHUTOFF   SI TA STATUS EXTENSION   THERE     TO THERE   THE STATUS EXTENSION   THE STATUS EXTENSION     APD EXTENSION   APD EXTENSION     TO THERE   THE STATUS EXTENSION   THE STATUS EXTENSION     APD EXTENSION   THE STATUS EXTENSION   THE STATUS EXTENSION     APPLICATE OF		☐ ACIDIZE [	ALTER CASING	☐ CASING REPAIR
SUBSEQUENT REPORT Date of Mork Completion:    Deepen		CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Date of Work Completion:    OPERATOR CHANGE   PLUG AND ABANDON   PLUG ABANDON		CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
□ SPUD REPORT Date of Spud: □ PRODUCTION START OR RESUME □ RECLAMATION OF WELL SITE □ RECOMPLETE DIFFERENT FORMATION □ REPERFORATE CURRENT FORMATION □ TUBING REPORT Report Date: □ 11/19/2011 □ WATER SHUTOFF □ SI TA STATUS EXTENSION □ WILDCAT WELL DETERMINATION □ OTHER □ OTHER: □ O		DEEPEN [	FRACTURE TREAT	□ NEW CONSTRUCTION
Date of Spud:    Date of Spud:   Reperporate current formation   Sidetrack to Repair Well.   Temporary abandon		☐ OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
DRILLING REPORT Report Date: 11/19/2011  12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  No activity has occurred since spud on 12/19/2011.  NAME (PLEASE PRINT) Namette Lupcho 435 781-9157  PHONE NUMBER Report Date: 11/19/2011  TITILE Regulatory Assistant  TITILE Regulatory Assistant  TITILE Regulatory Assistant  TITILE Regulatory Assistant			_	
✓ DRILLING REPORT Report Date: 11/19/2011       □ WATER SHUTOFF □ SITA STATUS EXTENSION □ APD EXTENSION □ OTHER: □ OTHER         12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity has occurred since spud on 12/19/2011.         NAME (PLEASE PRINT) Namette Lupcho       PHONE NUMBER 435 781-9157       TITLE Regulatory Assistant         SIGNATURE       DATE	Dute of Spaul		=	
NAME (PLEASE PRINT) Namette Lupcho  Name (PLEASE PRINT) Namette Lupcho  435 781-9157  DATE	✓ DOTH ING DEDORT			
NAME (PLEASE PRINT) Namette Lupcho 435 781-9157  NO ACTIVITY  PHONE NUMBER Regulatory Assistant  PATE  OTHER  OTHER:	Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
NAME (PLEASE PRINT) Namette Lupcho 435 781-9157  PHONE NUMBER Regulatory Assistant  SIGNATURE  PAGE  DATE	11/15/2011	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
Nanettè Lupcho 435 781-9157 Regulatory Assistant  SIGNATURE DATE				olumes, etc.
SIGNATURE DATE				
	SIGNATURE	155 / 51 515/	DATE	

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Cor	npany;	EOG RE	SOURCES	INC		
Well Name	•	CWU 15	46-26B			<u> </u>
Api No:	43-047-517	39	_Lease Type	e	FEDERAL	· · · · · · · · · · · · · · · · · · ·
Section 26	Township_	<b>09S</b> Rai	nge 22E	County_	UINTAH	
Drilling Cor	ntractor <u>CR</u> A	AIG'S ROU	STABOUT	SERV F	RIG# <u>BUCKET</u>	-
SPUDDE	D:					
	Date	12/19/201	1			
	Time	3:00 PM				
	How	DRY				
Drilling wi Commend	ill ee:					
Reported by		GER	ALD ASHC	ROFT		
Telephone #		(801)	638-9677			
Date	12/21/2011	Signed	CHD			

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM							
Operator:	EOG Resources, Inc.		Operator Account Number:	N 9550			
Address:	1060 East Highway 40						
	city Vernal		<del></del>				
	state UT	zip 84078	Phone Number:	(435) 781-9145			

Wall 1

API Number	Well	QQ	Sec	Twp	Rng	County	
43-047-51740	CHAPITA WELLS UI	CHAPITA WELLS UNUIT 1545-26D			98	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	s	Spud Date		Entity Assignment Effective Date	
* B	99999	13650	1.	12/19/2011		15	3/21/11
Comments:	VERDE	13650 BHC=	1		11 	10	1/31/

Well 2

API Number	Well	Name	QQ	Sec	Twp	Rng	County
43-047-51739	CHAPITA WELLS UI	NIT 1546-26D	NENE	26	98	22E	UNITAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
*B	99999	13650	1:	2/19/20	11	12	121/11
Comments: MESA	AVERDE	BH	= NE	ENE			

Well 3

API Number	or Well Name		QQ Sec Twp			Rng County		
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date			
omments:					·			

#### **ACTION CODES:**

A - Establish new entity for new well (single well only)

B - Add new well to existing entity (group or unit well)

C - Re-assign well from one existing entity to another existing entity

D - Re-assign well from one existing entity to a new entity

E - Other (Explain in 'comments' section)

Nanette Lupcho

Regulatory Assistant

12/20/2011

Title

Date

DEC 2 0 2011

RECEIVED

### **DIVISION OF OIL, GAS AND MINING**

### **SPUDDING INFORMATION**

Name of Cor	mpany;	EOG_RES	SOURCES,	INC		<del>_</del>
Well Name	:	CWU 15	46 <u>-</u> 26D			
Api No:	43-047-517	739	_Lease Type	<u> </u>	FEDERAL	
Section_26	Township_	<b>09S</b> Rar	nge 22E	_County_	UINTAH_	
Drilling Cor	ntractor <u>CR</u>	AIG'S ROU	STABOUT	<u>serv</u> r	IG #	
SPUDDE						
	Date	01/04/2012	2			
	Time					
	How	ROTAR	<u>Y</u>			
Drilling wi Commend	ill :e:					
Reported by		<u>KYL</u>	AN COOK			
_						
Date	01/04/2012	Signed	CHD	_		

Sundry Number: 21436 approval of this: 43047517390000

Action is Necessary

	STATE OF UTAH		FORM 9				
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	G	<b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU0285A				
SUNDF	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
	sals to drill new wells, significantly deepen exis ugged wells, or to drill horizontal laterals. Use A		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS				
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1546-26D				
2. NAME OF OPERATOR: EOG Resources, Inc.			<b>9. API NUMBER:</b> 43047517390000				
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	PHONE N al, UT, 84078 435 781-9111 E		9. FIELD and POOL or WILDCAT: NATURAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0445 FNL 0531 FEL			COUNTY: UINTAH				
QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN: Township: 09.0S Range: 22.0E Meridian: S		STATE: UTAH				
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	IATURE OF NOTICE, REPORT,	OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	☐ ACIDIZE ☐	ALTER CASING	☐ CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME				
12/19/2011		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
		FRACTURE TREAT	□ NEW CONSTRUCTION				
SUBSEQUENT REPORT Date of Work Completion:							
		PLUG AND ABANDON	☐ PLUG BACK				
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION				
Date of Spud:	☐ REPERFORATE CURRENT FORMATION ☐	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON				
	U TUBING REPAIR	VENT OR FLARE	✓ WATER DISPOSAL				
DRILLING REPORT Report Date:	□ WATER SHUTOFF □	SI TA STATUS EXTENSION	APD EXTENSION				
керогі расе.	☐ WILDCAT WELL DETERMINATION ☐	OTHER	OTHER:				
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all pertine	nt details including dates, denths, vo	olumes, etc.				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  EOG Resources, Inc. respectfully requests authorization for the disposal of produced water at the following locations: NBU 20-20B SWD, CWU 550-30N SWD & CWU 2-29 SWD ROW# UTU85038, Red Wash Evaporation Ponds 1,2,3,4,5,6&7, White River Evaporation Ponds 1&2, Coyote Evaporation Ponds 1&2, Coyote 1-16 SWD and Hoss SWD Wells ROW# UTU86010 & UTU897093.  Oil, Gas and Mining							
		Da	ate: 01/03/2012				
			Milas on I				
		Ву	1: Day Hill				
NAME (PLEASE PRINT) Nanette Lupcho	<b>PHONE NUMBER</b> 435 781-9157	TITLE Regulatory Assistant					
SIGNATURE		DATE 12/20/2011					
N/A		12/20/2011					

			FORM 9
	STATE OF UTAH	250	
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deeper gged wells, or to drill horizontal laterals.	7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS	
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: CWU 1546-26D		
2. NAME OF OPERATOR: EOG Resources, Inc.			<b>9. API NUMBER:</b> 43047517390000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		ONE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0445 FNL 0531 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 26	P, RANGE, MERIDIAN: Township: 09.0S Range: 22.0E Meridian:	S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	☐ ALTER CASING	CASING REPAIR
☐ NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATION	S CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	☐ PLUG AND ABANDON	PLUG BACK
_	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:			
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
✓ DRILLING REPORT	L TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
Report Date: 1/3/2012	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
1/3/2012	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
	MPLETED OPERATIONS. Clearly show all pe ed well chronology report for all activity up to 01/03/20	the referenced well show 012.	
NAME (PLEASE PRINT) Nanette Lupcho	<b>PHONE NUMBER</b> 435 781-9157	TITLE Regulatory Assistant	
SIGNATURE N/A		<b>DATE</b> 1/3/2012	

#### WELL CHRONOLOGY REPORT

Report Generated On: 01-03-2012

Well Name	CWU 1546-26D	Well Type	DEVG	Division	DENVER
Field	UNASSIGNED	API#	43-047-51739	Well Class	DRIL
County, State	UINTAH, UT	Spud Date		Class Date	
Tax Credit	N	TVD / MD	9,350/ 9,441	Property #	066348
Water Depth	0	Last CSG	9.625	Shoe TVD / MD	2,228/ 2,280
KB / GL Elev	5,034/ 5,015				
Location	Section 26, T9S, R22E, NENI	E, 445 FNL & 531 FEI			

DRILL & COMPLETE

Operator	EOG RESOUR	CES, INC W	I % 100	0.0	NRI %		82.139316	
AFE No	<b>No</b> 310500		.FE Total	1,598,300	DHC / CWC		751,800/ 846,500	
Rig Contr	TRUE	Rig Name	TRUE #34	Start Date	01-03-2012	Release	Date	
12-01-2011	Reported By	y SHAR	RON CAUDILL					
DailyCosts: Da	rilling \$0		Completion	\$0	Daily	Total	\$0	
Cum Costs: D	rilling \$0		Completion	\$0	Well	<b>Fotal</b>	\$0	
MD	0 <b>TVD</b>	0 <b>P</b>	rogress 0	Days	0 <b>MW</b>	0.0	Visc	0.0
Formation:		<b>PBTD</b> : 0.0		Perf:		PKR De	<b>epth:</b> 0.0	

Activity at Report Time: LOCATION DATA

1.0

**Event No** 

Start	End	Hrs	From To	<b>Activity Description</b>
06:00	06:00	24.0	0	0 LOCATION DATA

445' FNL & 531' FEL (NE/NE) SECTION 26, T9S, R22E UINTAH COUNTY, UTAH

Description

LAT 40 DEG 00' 46.86", LONG 109 DEG 23' 58.74" (NAD 83) LAT 40 DEG 00' 46.98", LONG 109 DEG 23' 56.28" (NAD 27)

TRUE #34

OBJECTIVE: 9441' MD, 9350' TVD, MESAVERDE

DW/GAS

CHAPITA WELLS DEEP PROSPECT

DD&A: CHAPITA DEEP NATURAL BUTTES FIELD

LEASE: FEDERAL UTU0285A

ELEVATION: 5015.5' NAT GL, 5015.3' PREP GL (DUE TO ROUNDING PREP GL IS 5015'), 5034' KB (19') MULTI PAD W/CWU 1541–26D, CWU 1542–26D, CWU 1543–26D, CWU 1544–26D, CWU 1545–

26D

EOG WI 100%, NRI 82.139316%

Well Name: CWU 1546–26D Field: UNASSIGNED Property: 066348

12–19–2	2011 R	eported By	R	OBERT WILKIN	S						
DailyCo	sts: Drilling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Co	sts: Drilling	\$0		Com	pletion	\$0		Well	Total	\$0	
MD	0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation	ion:	I	<b>PBTD</b> : (	0.0		Perf:			PKR Dej	<b>pth:</b> 0.0	
Activity	at Report T	ime: LOCATIO	N BUILD								
Start	End H	Irs From T	To A	ctivity Descrip	tion						
06:00	06:00	24.0 0	0 L	OCATION BUIL	D START	ED 12/16/11. P	PUSHING C	ON LOCATION	ON (55% CON	MPLETE).	
12-20-2	2011 R	eported By	R	OBERT WILKIN	S/GERAL	D ASHCRAF	Γ				
DailyCo	sts: Drilling	\$38,594		Com	pletion	\$0		Dail	y Total	\$38,594	
Cum Co	sts: Drilling	\$38,594	•	Com	pletion	\$0		Well	Total	\$38,594	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation	ion:	I	PBTD:	0.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity	at Report T	ime: LOCATIO	N BUILD	SPUD NOTIFIC	ATION						
Start	End H	Irs From T	To A	ctivity Descrip	tion						
06:00	06:00	24.0 0	0 L	OCATION IS 75%	% COMPL	ETE.					
06:00	06:00	24.0 0		RAIG'S BUCKE EMENT TO SUR				9/11 @ 03:00	) PM, SET 60	OF 14" CONE	OUCTOR.
				LM WAS NOTIF		MAIL OF SPU	JD ON 12/1	6/11 @ 11:5	1 AM.		
12-21-2	2011 R	eported By	R	OBERT WILKIN	S						
-	sts: Drilling			Com	pletion	\$0		Daily	y Total	\$0	
Cum Co	sts: Drilling	\$38,594		Com	pletion	\$0		Well	Total	\$38,594	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation			<b>PBTD</b> : (			Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
		ime: LOCATIO	N BUILD			Perf:			PKR De <sub>l</sub>	<b>pth</b> : 0.0	
Activity Start	at Report T	ime: LOCATION	N BUILD	ctivity Descrip					PKR Dej	<b>pth:</b> 0.0	
Activity Start 06:00	at Report T End H 06:00	ime: LOCATION  Irs From T  24.0 0	N BUILD  To A  0 L	activity Descrip	% COMPL				PKR De <sub>l</sub>	<b>pth</b> : 0.0	
Activity Start 06:00 12-22-2	at Report T End H 06:00 2011 R	ime: LOCATION  Irs From To 24.0 0  eported By	N BUILD  To A  0 L	activity Descrip OCATION IS 809 OBERT WILKIN	6 COMPL	.ЕТЕ.					
Start 06:00 12-22-2 DailyCos	eat Report T End H 06:00  2011 R ests: Drilling	ime: LOCATION  Irs From T  24.0 0  eported By  \$0	N BUILD  O A  O L  R	octivity Descrip OCATION IS 809 OBERT WILKIN Com	% COMPL S pletion	.ETE. \$0		•	y Total	\$0	
Start 06:00 12-22-2 DailyCos Cum Co	ent Report T End H 06:00  2011 R osts: Drilling	ime: LOCATION  Irs From T  24.0 0  eported By  \$0  \$38,594	N BUILD  O A  O L  R	activity Descrip OCATION IS 809 OBERT WILKIN Com Com	6 COMPL	\$0 \$0		•	y Total Total	\$0 \$38,594	
Start 06:00 12-22-2 DailyCos Cum Cos	ent Report T End H 06:00  2011 R osts: Drilling osts: Drilling	ime: LOCATION  (rs From 7 24.0 0  eported By \$0 \$38,594  TVD	N BUILD  O A  O L  R  60	OCATION IS 809 OBERT WILKIN Com Com Progress	% COMPL S pletion	\$0 \$0 <b>Days</b>	0	•	y Total Total 0.0	\$0 \$38,594 <b>Visc</b>	0.0
Start 06:00 12-22-2 DailyCos Cum Cos MD Formatic	at Report T  End H  06:00  2011 R  ests: Drilling  60  ion:	ime: LOCATION  Irs From T 24.0 0  eported By \$0 \$38,594  TVD	N BUILD  O A  O L  R  60  PBTD: (	OCATION IS 809 OBERT WILKIN Com Com Progress	6 COMPL S pletion pletion	\$0 \$0	0	Well	y Total Total	\$0 \$38,594 <b>Visc</b>	0.0
Start 06:00 12-22-2 DailyCos Cum Cos MD Formatic	at Report T  End H  06:00  2011 R  ests: Drilling  60  ion:	ime: LOCATION  (rs From 7 24.0 0  eported By \$0 \$38,594  TVD	N BUILD  O A  O L  R  60  PBTD: (	OCATION IS 809 OBERT WILKIN Com Com Progress	6 COMPL S pletion pletion	\$0 \$0 <b>Days</b>	0	Well	y Total Total 0.0	\$0 \$38,594 <b>Visc</b>	0.0
Start 06:00 12-22-2 DailyCos Cum Cos MD Formatic	ent Report T End H 06:00  2011 R ests: Drilling ests: Drilling 60  ion: at Report T	ime: LOCATION  Irs From T 24.0 0  eported By \$0 \$38,594  TVD	N BUILD  O L  R  60  PBTD: (  N BUILD  To A	OCATION IS 809 OBERT WILKIN Com Com Progress	6 COMPL S pletion pletion 0	\$0 \$0 Days	0	Well	y Total Total 0.0	\$0 \$38,594 <b>Visc</b>	0.0
Start  06:00  12-22-2  DailyCoo  Cum Coo  MD  Formatic  Activity  Start	at Report T  End H  06:00  2011 R  osts: Drilling  osts: Drilling  for  ion:  at Report T  End H  06:00	ime: LOCATION  Irs From T  24.0 0  eported By  \$0  \$38,594  TVD  Ime: LOCATION  Irs From T	N BUILD  O L  R  60  PBTD: (  N BUILD  O L	OCATION IS 809 OBERT WILKIN Com Com Progress 0.0	6 COMPL S pletion 0 tion 6 COMPL	\$0 \$0 Days	0	Well	y Total Total 0.0	\$0 \$38,594 <b>Visc</b>	0.0
Start  06:00  12-22-2  DailyCos  Cum Cos  MD  Formatic  Activity  Start  06:00  12-23-2	at Report T  End H  06:00  2011 R  osts: Drilling  osts: Drilling  for  ion:  at Report T  End H  06:00	ime: LOCATION  [rs From Total 24.0 0]  eported By \$0 \$38,594  TVD  Image: LOCATION  [rs From Total 24.0 0]	N BUILD  O L  R  60  PBTD: (  N BUILD  O L	OCATION IS 809 OBERT WILKIN Com Com Progress 0.0 Activity Descrip OCATION IS 859 OBERT WILKIN	6 COMPL S pletion 0 tion 6 COMPL	\$0 \$0 Days	0	Well MW	y Total Total 0.0	\$0 \$38,594 <b>Visc</b>	0.0
Activity Start  06:00  12-22-2  DailyCos  Cum Co  MD  Formatic Activity  Start  06:00  12-23-2  DailyCos	ent Report T End H 06:00  2011 R osts: Drilling 60 ion: at Report T End H 06:00  2011 R	ime: LOCATION  [rs From 7] 24.0 0  eported By \$0 \$38,594  TVD  ime: LOCATION  [rs From 7] 24.0 0  eported By \$0	N BUILD  O L  R  60  PBTD: ( N BUILD  O L  R	OCATION IS 809 OBERT WILKIN Com Com Progress 0.0 Activity Descrip OCATION IS 859 OBERT WILKIN Com	S pletion O tion S COMPL	\$0 \$0 Days Perf:	0	Well MW Dail	y Total Total 0.0 PKR Dej	\$0 \$38,594 <b>Visc</b> <b>pth</b> : 0.0	0.0

Well Name: CWU 1546–26D Field: UNASSIGNED Property: 066348

Formation: PBTD: 0.0	Perf:	<b>PKR Depth</b> : 0.0
Activity at Report Time: LOCATION BUILD		
Start End Hrs From To Activity Description		
06:00 06:00 24.0 0 0 LOCATION IS 85% COMP	LETE. HAULING CLOSE	ED LOOP MATERIAL.
12–26–2011 Reported By ROBERT WILKINS		
DailyCosts: Drilling \$0 Completion	\$0	Daily Total \$0
Cum Costs: Drilling \$38,594 Completion	\$0	<b>Well Total</b> \$38,594
<b>MD</b> 60 <b>TVD</b> 60 <b>Progress</b> 0	<b>Days</b> 0	<b>MW</b> 0.0 <b>Visc</b> 0.0
Formation: PBTD: 0.0	Perf:	<b>PKR Depth:</b> 0.0
Activity at Report Time: LOCATION BUILD		
Start End Hrs From To Activity Description		
06:00 06:00 24.0 0 0 LOCATION IS 90% COMP	LETE. HAULING CLOSE	ED LOOP MATERIAL.
12–27–2011 Reported By ROBERT WILKINS		
DailyCosts: Drilling \$0 Completion	\$0	Daily Total \$0
Cum Costs: Drilling \$38,594 Completion	\$0	<b>Well Total</b> \$38,594
<b>MD</b> 60 <b>TVD</b> 60 <b>Progress</b> 0	Days 0	<b>MW</b> 0.0 <b>Visc</b> 0.0
Formation: PBTD: 0.0	Perf:	PKR Depth: 0.0
Activity at Report Time: LOCATION BUILD		
Start End Hrs From To Activity Description		
06:00 06:00 24.0 0 WAITING ON AIR RIG, HA	AULING MATERIAL FO	R CLOSED LOOP.
12–28–2011 Reported By ROBERT WILKINS		
DailyCosts: Drilling \$0 Completion	\$0	Daily Total \$0
Cum Costs: Drilling \$38,594 Completion	\$0	<b>Well Total</b> \$38,594
<b>MD</b> 60 <b>TVD</b> 60 <b>Progress</b> 0	Days 0	<b>MW</b> 0.0 <b>Visc</b> 0.0
Formation: PBTD: 0.0	Perf:	PKR Depth: 0.0
Activity at Report Time: LOCATION BUILD		
Start End Hrs From To Activity Description		
06:00 06:00 24.0 0 0 LOCATION IS 100%. FINIS	SH UP CLOSED LOOP T	ODAY.
12–31–2011 Reported By KYLAN COOK		
DailyCosts: Drilling \$33,594 Completion	\$0	Daily Total \$33,594
Cum Costs: Drilling \$72,188 Completion	\$0	<b>Well Total</b> \$72,188
<b>MD</b> 536 <b>TVD</b> 536 <b>Progress</b> 217	Days 0	<b>MW</b> 0.0 <b>Visc</b> 0.0
Formation: PBTD: 0.0	Perf:	PKR Depth: 0.0
Activity at Report Time: DRILLING @ 536'		
Start End Hrs From To Activity Description		
06:00 16:00 10.0 0 0 MIRU.		
16:00 17:00 1.0 0 0 RIG ON DAY WORK @ 16	:00 PM ON 12/30/2011.	
TALLY BHA.		
WELL PREDRILLED FRO		00*
THIS WELL PLANNED AZ		.00*. FO BEND 7.04', BIT TO MWD 59'.
WIOD WIOTOK 1.73 DEUKI	LL DEMD, REU .10, BII	1.04 , DII 10 MWD 37 .

Well Name: CWU 1546–26D Field: UNASSIGNED Property: 066348

17:00	20:00	3.0	0		MWD NOT COMN							
20:00	00:30	4.5	0		PICK UP BHA AN							
00:30	06:00	5.5	319	536	DRILL ROTATE A							
					WOB ROTATE 8-1 GPM 517. PSI 400,							OKES 136,
					ALL SURVEYS A	ND DEPT	HS ADJUSTE	D TO TRUI	E #34 RKB=	:19'		
					NO ACCIDENTS F	REPORTE	D.					
					SAFTEY MEETIN	GS: RIGO	GING UP AND	TRIPPING	DIRECTIO	NAL TOOLS.		
					FUEL USED 625 C	GALLONS	<b>S</b> .					
01-01-	2012	Report	ed By		KYLAN COOK							
DailyCo	osts: Drilli	ing	\$28,80	4	Com	pletion	\$0		Dail	y Total	\$28,804	
-	osts: Drilli	_	\$100,99	92		pletion	\$0			l Total	\$100,992	
MD	1,54	46 <b>TV</b>	D	1,525		1,010	Days	0	MW	0.0	Visc	0.0
Format	ion :		]	PBTD	_		Perf :			PKR De	oth: 0.0	
Activity	at Repor	t Time: I								- 1		
Start	End		From '		Activity Descrip	tion						
06:00	18:00	12.0	536		DRILL ROTATE A		E FROM 536'	TO 1169'. 6	33'. ROP 50	2.7' FPH.		
00.00	10.00	12.0		110)	WOB ROTATE 12F			OTARY RPN	и 45, МОТС	OR RPM 85. PU		
					532. PSI 1000. DIF	F PSI 100	. 70' HIGH AN	ND 14′ RIG.	HI OF LINE	t. RUIAIE 86	70 SLIDE 1470.	
18:00	06:00	12.0	1169	1546	532. PSI 1000, DIF DRILL ROTATE A						% SLIDE 14%.	110 1000.
18:00	06:00	12.0	1169	1546	ŕ	ND SLID K, WOB S PSI 100.	E FROM 1169 LIDE 12K. RO 30' HIGH AN	' TO 1546'. OTARY RPN D 7' RIGHT	377'. ROP 3 // 45, MOTO OF LINE. I	31.4' FPH. OR RPM 85. PU ROTATE 60%	UMP STROKES	S 140, GPM
18:00	06:00	12.0	1169	1546	DRILL ROTATE A WOB ROTATE 10H 532. PSI 900, DIFF ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN	ND SLID X, WOB S PSI 100.  ND DEPT REPORTE GS: MAK	E FROM 1169 LIDE 12K. RC 30' HIGH AN HS ADJUSTE D. ING CONNE	' TO 1546'. DTARY RPM D 7' RIGHT D TO TRUI	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB=	31.4' FPH. OR RPM 85. PU ROTATE 60%	UMP STROKES	S 140, GPM
				1546	DRILL ROTATE A WOB ROTATE 10H 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150	ND SLID X, WOB S PSI 100.  ND DEPT REPORTE GS: MAK	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. ING CONNE	' TO 1546'. DTARY RPM D 7' RIGHT D TO TRUI	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB=	31.4' FPH. OR RPM 85. PU ROTATE 60%	UMP STROKES	S 140, GPM
01-02-	2012	Report	ed By		DRILL ROTATE A WOB ROTATE 10H 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150 KYLAN COOK	ND SLID K, WOB S PSI 100. ND DEPT REPORTE GS: MAK GALLON	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. LING CONNEC IS.	' TO 1546'. DTARY RPM D 7' RIGHT D TO TRUI	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB=	81.4' FPH. DR RPM 85. PU ROTATE 60%	UMP STROKES SLIDE 40%. TI	S 140, GPM
01-02- DailyCo	2012 osts: Drilli	Report	<b>ed By</b> \$26,760	6	DRILL ROTATE A WOB ROTATE 10H 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150  KYLAN COOK  Com	ND SLID K, WOB S F PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. LING CONNECTS.	' TO 1546'. DTARY RPM D 7' RIGHT D TO TRUI	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.	91.4' FPH. OR RPM 85. PU ROTATE 60% 19'  y Total	UMP STROKES SLIDE 40%. TI \$26,766	S 140, GPM
01-02- DailyCo	2012 osts: Drilli osts: Drilli	Reporte ing ing	<b>ed By</b> \$26,766 \$127,75	6	DRILL ROTATE A WOB ROTATE 10F 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150 KYLAN COOK  Comp	ND SLID K, WOB S PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion  pletion	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. LING CONNEC IS.	' TO 1546'. DTARY RPM D 7' RIGHT D TO TRUI	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.  Dail Well	B1.4' FPH.  OR RPM 85. PUROTATE 60%  19'  y Total	\$26,766 \$127,758	S 140, GPM FO 150R.
01–02– Daily Co Cum Co MD	2012 osts: Drilli osts: Drilli 1,92	Reporte ing ing	<b>ed By</b> \$26,766 \$127,75	6 58 1,894	DRILL ROTATE A WOB ROTATE 10H 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150  KYLAN COOK  Comp Comp	ND SLID K, WOB S F PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. ING CONNECTS. \$0 \$0  Days	' TO 1546'. DTARY RPM D 7' RIGHT D TO TRUI	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.	91.4' FPH. OR RPM 85. PUROTATE 60%  19'  y Total 1 Total  0.0	\$26,766 \$127,758 <b>Visc</b>	S 140, GPM
01–02– Daily Co Cum Co MD Format	2012 osts: Drilli osts: Drilli 1,92	Reporteing ing 26 TV	ed By \$26,766 \$127,75 <b>D</b>	6 58 1,894 <b>PBTD</b>	DRILL ROTATE A WOB ROTATE 10F 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150  KYLAN COOK  Comp Comp 4 Progress : 0.0	ND SLID K, WOB S PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion  pletion	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. LING CONNECTS \$0 \$0	' TO 1546'. DTARY RPM D 7' RIGHT D TO TRUI	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.  Dail Well	B1.4' FPH.  OR RPM 85. PUROTATE 60%  19'  y Total	\$26,766 \$127,758 <b>Visc</b>	S 140, GPM FO 150R.
01–02– Daily Co Cum Co MD Format Activity	2012 osts: Drilli osts: Drilli 1,92 ion : y at Repor	Reported ing ing 26 TV	ed By \$26,766 \$127,75 <b>D</b>	6 58 1,894 <b>PBTD</b> G @ 192	DRILL ROTATE A WOB ROTATE 10F 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150  KYLAN COOK  Com; Com; 4 Progress : 0.0	ND SLID K, WOB S F PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion 380	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. ING CONNECTS. \$0 \$0  Days	' TO 1546'. DTARY RPM D 7' RIGHT D TO TRUI	377'. ROP 3 4 45, MOTO OF LINE. 1 E #34 RKB= ND PPE.  Dail Well	91.4' FPH. OR RPM 85. PUROTATE 60%  19'  y Total 1 Total  0.0	\$26,766 \$127,758 <b>Visc</b>	S 140, GPM FO 150R.
01–02– DailyCo Cum Co MD Format Activity Start	2012 osts: Drilli osts: Drilli 1,92 ion : y at Repor End	Reported ing ing 26 TV:	ed By \$26,766 \$127,75  D  DRILLING From	6 58 1,894 <b>PBTD</b> G @ 192 <b>To</b>	DRILL ROTATE A WOB ROTATE 10F 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150 KYLAN COOK  Comp Comp 4 Progress : 0.0 26' Activity Descrip	ND SLID K, WOB S PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion  380  tion	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. LING CONNECTS. \$0 \$0  Days  Perf:	'TO 1546'. DTARY RPM D 7' RIGHT D TO TRUI CTIONS AN	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.  Dail Well MW	S1.4' FPH.  OR RPM 85. PUROTATE 60%  19'  y Total  1 Total  0.0  PKR Dep	\$26,766 \$127,758 <b>Visc</b>	S 140, GPM FO 150R.
01–02– Daily Co Cum Co MD Format Activity Start 06:00	2012  osts: Drilli  1,92  ion: y at Repor  End  07:00	Reported ing ing 26 TV in the Time: In the Hrs	ed By \$26,766 \$127,75  D  DRILLING From 0	6 58 1,894 <b>PBTD</b> G @ 192 <b>To</b> 0	DRILL ROTATE A WOB ROTATE 10H 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150  KYLAN COOK  Comp Comp 4 Progress : 0.0 26'  Activity Descrip CIRCULATE AND	ND SLID K, WOB S F PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion 380  tion TRIP OF	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. LING CONNECTS. \$0 \$0  Days  Perf:	'TO 1546'. DTARY RPM D 7' RIGHT D TO TRUI CTIONS AN	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.  Dail Well MW	S1.4' FPH.  OR RPM 85. PUROTATE 60%  19'  y Total  1 Total  0.0  PKR Dep	\$26,766 \$127,758 <b>Visc</b>	S 140, GPM FO 150R.
01–02– Daily Com	2012  osts: Drilli  1,92  ion: y at Repor  End  07:00  11:00	Reporting ing 26 TV t Time: I Hrs 1.0 4.0	ed By \$26,766 \$127,75  D  DRILLING From 0 0	6 58 1,894 <b>PBTD</b> G @ 192 <b>To</b> 0	DRILL ROTATE A WOB ROTATE 10H 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150  KYLAN COOK  Com Com Com Com Com Com Com Com Com Co	ND SLID K, WOB S F PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion 380  tion TRIP OF	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. ING CONNECTS. \$0 \$0  Days Perf:	OCLEAN I	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.  Dail Well MW	S1.4' FPH.  OR RPM 85. PUROTATE 60%  19'  y Total  1 Total  0.0  PKR Dep	\$26,766 \$127,758 <b>Visc</b>	S 140, GPM FO 150R.
01–02– Daily Co Cum Co MD Format Activity Start 06:00 07:00 11:00	2012  osts: Drilli  1,92  ion: y at Repor  End  07:00  11:00  14:00	Reported ing ing 26 TV:  t Time: I  Hrs  1.0  4.0  3.0	ed By \$26,766 \$127,75  D  DRILLING  From 0 0 1546	6 58 1,894 <b>PBTD</b> G @ 192 <b>To</b> 0 0 1579	DRILL ROTATE A WOB ROTATE 10F 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150 KYLAN COOK  Comp Comp 4 Progress : 0.0 26' Activity Descrip CIRCULATE AND CLEAN MUD TAN DRILL ROTATE A	ND SLID  K, WOB S PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion 380  tion TRIP OF NKS. ND SLID	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. ING CONNECTS. \$0 \$0  Days Perf:	OCLEAN I	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.  Dail Well MW	S1.4' FPH.  OR RPM 85. PUROTATE 60%  19'  y Total  1 Total  0.0  PKR Dep	\$26,766 \$127,758 <b>Visc</b>	S 140, GPM FO 150R.
01-02- Daily Co Cum Co MD Format Activity Start 06:00 07:00 11:00 14:00	2012  osts: Drilli  1,92  ion: y at Repor  End  07:00  11:00  14:00  15:00	Reported ing ing 26 TV:  t Time: I  Hrs  1.0  4.0  3.0  1.0	ed By \$26,766 \$127,75  D  DRILLING From 0 0 1546 0	6 58 1,894 <b>PBTD</b> G @ 192 <b>To</b> 0 1579 0	DRILL ROTATE A WOB ROTATE 10F 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150  KYLAN COOK  Com Com Com Com Com Com Com Com Com Co	ND SLID K, WOB S F PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion 380  tion TRIP OF NKS. ND SLID	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. ING CONNECTS \$0 \$0  Days Perf:  F BOTTOM T E FROM 1546	O CLEAN 1	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.  Dail Well MW	S1.4' FPH.  OR RPM 85. PUROTATE 60%  19'  y Total  1 Total  0.0  PKR Dep	\$26,766 \$127,758 <b>Visc</b>	S 140, GPM FO 150R.
01-02- Daily Co MD Format Activity Start 06:00 07:00 11:00 14:00 15:00	2012  osts: Drilli  1,92  ion: y at Repor  End  07:00  11:00  14:00  15:00  16:00	Reported ing ing 26 TV 1.0 4.0 3.0 1.0 1.0	ed By \$26,766 \$127,75  D  DRILLING  0 0 1546 0 1579	6 58 1,894 <b>PBTD</b> G @ 192 <b>To</b> 0 1579 0 1619	DRILL ROTATE A WOB ROTATE 10F 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150  KYLAN COOK  Comp Comp 4 Progress : 0.0 26' Activity Descrip CIRCULATE AND CLEAN MUD TAN DRILL ROTATE A WORK ON PUMP. DRILL ROTATE A	ND SLID  K, WOB S PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion 380  tion TRIP OF NKS. ND SLID	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. ING CONNECTS \$0 \$0  Days Perf:  F BOTTOM T E FROM 1546	O CLEAN 1	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.  Dail Well MW	S1.4' FPH.  OR RPM 85. PUROTATE 60%  19'  y Total  1 Total  0.0  PKR Dep	\$26,766 \$127,758 <b>Visc</b>	S 140, GPM FO 150R.
01-02- Daily Co Cum Co MD Format Activity Start 06:00 07:00 11:00 14:00 15:00 16:00	2012 osts: Drilli 1,92 cion: y at Repor End 07:00 11:00 14:00 15:00 16:00 16:30	Reported ing ing 26 TV:  It Time: I Hrs	ed By \$26,766 \$127,75  D  ORILLING 0 0 1546 0 1579 0	6 58 1,894 <b>PBTD</b> G @ 192 <b>To</b> 0 1579 0 1619	DRILL ROTATE A WOB ROTATE 10F 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150 KYLAN COOK  Comp Comp 4 Progress : 0.0 26' Activity Descrip CIRCULATE AND CLEAN MUD TAN DRILL ROTATE A WORK ON PUMP. DRILL ROTATE A WORK ON PUMP.	ND SLID  K, WOB S PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion 380  tion TRIP OF NKS. ND SLID	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. LING CONNECTS S0 \$0  Days Perf:  F BOTTOM T E FROM 1546 E FROM 1579	O CLEAN 1 'TO 1546'.  TO 1546'.  TO TO TRUI  O TO TRUI  O  TO 1579'.	377'. ROP 3 4 45, MOTO OF LINE. I E #34 RKB= ND PPE.  Dail Well MW	S1.4' FPH.  OR RPM 85. PUROTATE 60%  Total  O.0  PKR Dep	\$26,766 \$127,758 <b>Visc</b>	S 140, GPM FO 150R.
01-02- Daily Co MD Format Activity Start 06:00 07:00 11:00 14:00 15:00	2012  osts: Drilli  1,92  ion: y at Repor  End  07:00  11:00  14:00  15:00  16:00	Reported ing ing 26 TV 1.0 4.0 3.0 1.0 1.0	ed By \$26,766 \$127,75  D  DRILLING  0 0 1546 0 1579	6 58 1,894 <b>PBTD</b> G @ 192 <b>To</b> 0 1579 0 1619	DRILL ROTATE A WOB ROTATE 10F 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150  KYLAN COOK  Com Com Com Com Com Com Com Com Com Co	ND SLID  K, WOB S F PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion 380  tion TRIP OF NKS. ND SLID  ND SLID	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. ING CONNECTS. \$0 \$0 Days Perf:  F BOTTOM T E FROM 1546 E FROM 1579 E FROM 1619	O CLEAN 1 'TO 1536'. 'TO 1579'. 'TO 1619'.	377'. ROP 3 4 45, MOTO OF LINE. 1 E #34 RKB= ND PPE.  Dail Well MW  MUD TANK	S1.4' FPH.  OR RPM 85. PUROTATE 60%  Total  O.0  PKR Dep  S.S.	\$26,766 \$127,758 <b>Visc</b> <b>pth:</b> 0.0	6.140, GPM FO 150R.
01-02- Daily Co Cum Co MD Format Activity Start 06:00 07:00 11:00 14:00 15:00 16:00	2012 osts: Drilli 1,92 cion: y at Repor End 07:00 11:00 14:00 15:00 16:00 16:30	Reported ing ing 26 TV:  It Time: I Hrs	ed By \$26,766 \$127,75  D  ORILLING 0 0 1546 0 1579 0	6 58 1,894 <b>PBTD</b> G @ 192 <b>To</b> 0 1579 0 1619 0 1736	DRILL ROTATE A WOB ROTATE 10F 532. PSI 900, DIFF  ALL SURVEYS AI NO ACCIDENTS F SAFTEY MEETIN FUEL USED 1150 KYLAN COOK  Comp Comp 4 Progress : 0.0 26' Activity Descrip CIRCULATE AND CLEAN MUD TAN DRILL ROTATE A WORK ON PUMP. DRILL ROTATE A WORK ON PUMP.	ND SLID  K, WOB S F PSI 100.  ND DEPT REPORTE GS: MAK GALLON  pletion 380  tion TRIP OF NKS. ND SLID  ND SLID  K, WOB S F PSI 100	E FROM 1169 LIDE 12K. RC 30' HIGH AND HS ADJUSTE D. ING CONNECTS. \$0 \$0  Days Perf:  F BOTTOM T E FROM 1546 E FROM 1579 E FROM 1619 LIDE 14K. RC	O CLEAN DO CLEAN DO TO 1579'.  'TO 1579'.  'TO 1619'.  'TO 1736'.	377'. ROP 3 4 45, MOTO OF LINE. 1 E #34 RKB= ND PPE.  Dail Well MW  MUD TANK	S1.4' FPH. OR RPM 85. PUROTATE 60%  Ty Total O.0 PKR Dep  S.S.  46' FPH. OR RPM 85. PU	\$26,766 \$127,758 <b>Visc</b> <b>pth:</b> 0.0	0.0 6 140, GPM 6 150R.

Well Name: CWU 1546–26D Field: UNASSIGNED Property: 066348

19:30 06:00 10.5 1736 1926 DRILL ROTATE AND SLIDE FROM 1736' TO 1926'. 190'. ROP 18' FPH.

WOB ROTATE 10K, WOB SLIDE 16K. ROTARY RPM 45, MOTOR RPM 85. PUMP STROKES 140, GPM 532. PSI 1000, DIFF PSI 100. 7' HIGH AND 5' RIGHT OF LINE. ROTATE 67% SLIDE 33%. TFO 50R.

ALL SURVEYS AND DEPTHS ADJUSTED TO TRUE #34 RKB=19'

NO ACCIDENTS REPORTED.

SAFTEY MEETINGS: HIGH PRESSURE LINES AND CLEAN WORK SPACE.

FUEL USED 925 GALLONS.

01-03-2012	Re	eported By	K	YLAN COOK							
DailyCosts:	Drilling	\$26,7	66	Con	pletion	\$0		Daily	Total	\$26,766	
<b>Cum Costs:</b>	Drilling	\$154,	524	Com	pletion	\$0		Well	Total	\$154,524	
MD	2,290	TVD	2,238	Progress	364	Days	0	MW	0.0	Visc	0.0
Formation:			PBTD:	0.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	

Activity at Report Time: TIH W/BIT & REAMER

Start	End	Hrs	From	To	Activity Description
06:00	22:00	16.0	1926	2290	DRILL ROTATE AND SLIDE FROM 1926' TO 2290'. 364'. ROP 22.75' FPH.
					WOB ROTATE 15K, WOB SLIDE 12K. ROTARY RPM 45, MOTOR RPM 85. PUMP STROKES 140, GPM 532. PSI 1000, DIFF PSI 100. 17' HIGH AND 3' RIGHT OF LINE. ROTATE 90% SLIDE 10%. TFO 180G.
22:00	00:00	2.0	0	0	CIRCULATE FOR WIPER TRIP.
00:00	04:30	4.5	0	0	TRIP OUT OF HOLE WITH DIRECTIONAL TOOLS.
04:30	06:00	1.5	0	0	TALLY BHA WITH TRI-CONE AND REAMER. TRIP BACK TO BOTTOM.

ALL SURVEYS AND DEPTHS ADJUSTED TO TRUE #34 RKB=19' NO ACCIDENTS REPORTED.

SAFTEY MEETINGS: PPE AND TRIPPING OUT OF HOLE.

FUEL USED 950 GALLONS.

01-04-2012	Re	eported By	K	YLAN COOK							
DailyCosts: D	Prilling	\$35,6	77	Com	pletion	\$0		Daily	<b>Total</b>	\$35,677	
Cum Costs: I	Prilling	\$190,	201	Com	pletion	\$0		Well	Total	\$190,201	
MD	2,290	TVD	2,238	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:			<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	oth: 0.0	

**Activity at Report Time:** 

Start	End	Hrs	From	To	Activity Description
06:00	08:00	2.0	0		0 TRIP BACK TO BOTTOM WITH TRI–CONE AND REAMER.
08:00			0		0

	STATE OF UTAH			FORM 9
ι	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS, AND M			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A
SUNDR	RY NOTICES AND REPORTS	S ON V	VELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly reenter plugged wells, or to drill horiz n for such proposals.			7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: CWU 1546-26D			
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43047517390000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	) N , Denver, CO, 80202		E NUMBER: 5 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0445 FNL 0531 FEL				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 26 Township: 09.0S Range: 22.0E Mer	eridian: S		STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE NA	TURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE	☐ AL	TER CASING	CASING REPAIR
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	Сн	ANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	□ со	MMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		ACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:				
	OPERATOR CHANGE		UG AND ABANDON	☐ PLUG BACK
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	□ RE	CLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	REPERFORATE CURRENT FORMATION	SID	DETRACK TO REPAIR WELL	TEMPORARY ABANDON
✓ DRILLING REPORT	TUBING REPAIR	VE	NT OR FLARE	WATER DISPOSAL
Report Date:	WATER SHUTOFF	□ si	TA STATUS EXTENSION	APD EXTENSION
2/2/2012	WILDCAT WELL DETERMINATION	□ от	HER	OTHER:
Please see the atta	completed operations. Clearly show a ched well chronology reportant with the composition of the composition	ort for t	the referenced well 12.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 02, 2012
NAME (PLEASE PRINT) Nanette Lupcho	<b>PHONE NUM</b> 435 781-9157		<b>TITLE</b> Regulatory Assistant	
SIGNATURE N/A			<b>DATE</b> 2/2/2012	

WELL	CHRONOLOGY
	REPORT

Report Generated On: 02-02-2012

Well Name	CWU 1546-26D	Well Type	DEVG	Division	DENVER
Field	CHAPITA DEEP	API#	43-047-51739	Well Class	DRIL
County, State	UINTAH, UT	Spud Date		Class Date	
Tax Credit	N	TVD / MD	9,350/ 9,441	Property #	066348
Water Depth	0	Last CSG	9.625	Shoe TVD / MD	2,228/ 2,280
KB / GL Elev	5,034/ 5,015				
Location	Section 26, T9S, R22E, NENE	E, 445 FNL & 531 FEI			

<b>Event No</b>	1.0	:	Description	DRILL & COMPLE	TE		
Operator	EOG RESOUR	CES, INC	WI %	100.0	NRI %	82	.139316
AFE No	310500		AFE Total	1,598,300	DHC / C	WC	751,800/ 846,500
Rig Contr	TRUE	Rig Name	TRUE #34	Start Date	01-03-2012	Release Da	nte
12-01-2011	Reported By	SH	ARON CAUDILL				
DailyCosts: D	rilling \$0		Completi	<b>ion</b> \$0	Daily	Total	\$0
Cum Costs: D	rilling \$0		Completi	<b>ion</b> \$0	Well '	Total	\$0
MD	0 <b>TVD</b>	0	Progress	Days	0 <b>MW</b>	0.0	<b>Visc</b> 0.0
Formation:		<b>PBTD</b> : 0.0	)	Perf:		PKR Dept	<b>h</b> : 0.0

Activity at Report Time: LOCATION DATA

Start	End	Hrs	From To	<b>Activity Description</b>
06:00	06:00	24.0	0	0 LOCATION DATA

SHL: 445' FNL & 531' FEL (NE/NE)

SECTION 26, T9S, R22E UINTAH COUNTY, UTAH

LAT 40 DEG 00' 46.86", LONG 109 DEG 23' 58.74" (NAD 83) LAT 40 DEG 00' 46.98", LONG 109 DEG 23' 56.28" (NAD 27)

BHL: 639 FNL & 1255' FEL (NENE)

SECTION 26, T9S, R22E UINTAH COUNTY, UTAH

TRUE #34

OBJECTIVE: 9441' MD, 9350' TVD, MESAVERDE

DW/GAS

CHAPITA WELLS DEEP PROSPECT

DD&A: CHAPITA DEEP NATURAL BUTTES FIELD

LEASE: FEDERAL UTU0285A

RECEIVED: Feb. 02, 2012

Well Name: CWU 1546-26D Field: CHAPITA DEEP Property: 066348

> ELEVATION: 5015.5' NAT GL, 5015.3' PREP GL (DUE TO ROUNDING PREP GL IS 5015'), 5034' KB (19') MULTI PAD W/CWU 1541-26D, CWU 1542-26D, CWU 1543-26D, CWU 1544-26D, CWU 1545-26D, CWU 1546-26D

				EOG WI 100%, NI	RI 82.1393	316%					
2-19-2011	Repor	ted By		ROBERT WILKIN	IS						
DailyCosts: Dril	ling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Dril	ling	\$0		Com	pletion	\$0		Well	Total	\$0	
MD (	) <b>TV</b>	<b>7D</b>	0	Progress	0	Days	0	MW	0.0	Visc	0.0
formation :		I	PBTD	: 0.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
activity at Repo	rt Time:	LOCATIO	N BUII	LD							
start End	Hrs	From 7	Го	<b>Activity Descrip</b>	otion						
06:00 06:00	24.0	0	0	LOCATION BUIL	D START	ED 12/16/11. P	USHING (	ON LOCATION	ON (55% CON	MPLETE).	
2-20-2011	Repor	ted By		ROBERT WILKIN	IS/GERAL	D ASHCRAF	Γ				
DailyCosts: Dril	ling	\$38,700	)	Com	pletion	\$0		Dail	y Total	\$38,700	
Cum Costs: Dril	ling	\$38,700	)	Com	pletion	\$0		Well	Total	\$38,700	
<b>ID</b> 6	0 <b>TV</b>	<b>/D</b>	60	Progress	0	Days	0	MW	0.0	Visc	0.0
formation :		I	PBTD	: 0.0		Perf:			PKR Dej	<b>oth:</b> 0.0	
ctivity at Repo	rt Time:	LOCATIO	N BUII	LD/SPUD NOTIFIC	ATION						
tart End	Hrs	From T	Го	<b>Activity Descrip</b>	otion						
	240		0	LOCATION IS 750	O COMPI	EDE					
06:00 06:00 06:00 06:00	24.0 24.0			CRAIG'S BUCKE CEMENT TO SUR BLM WAS NOTIF	T RIG SP RFACE WI	UD A 20" HOL TH READY M	IIX.			' OF 14" CONE	OUCTOR.
	24.0	0		CRAIG'S BUCKE CEMENT TO SUR BLM WAS NOTIF ROBERT WILKIN	ET RIG SP RFACE WI FIED BY E	UD A 20" HOL TH READY M	IIX.	16/11 @ 11:5		° OF 14" CONE \$0	OUCTOR.
06:00 06:00 2-21-2011	24.0  Repor	ted By	60	CRAIG'S BUCKE CEMENT TO SUR BLM WAS NOTIF ROBERT WILKIN	TT RIG SP RFACE WI FIED BY E IS	UD A 20" HOL TH READY M	IIX.	16/11 @ 11:5 <b>Dail</b>	11 AM.		OUCTOR.
06:00 06:00  2-21-2011  Daily Costs: Dril	24.0  Repor	0 0 ted By \$0 \$38,700	60	CRAIG'S BUCKE CEMENT TO SUR BLM WAS NOTIF ROBERT WILKIN	ET RIG SP RFACE WI FIED BY E S S S S S S S S S S S S S S S S S S S	UD A 20" HOL TH READY M EMAIL OF SPU \$0	IIX.	16/11 @ 11:5 <b>Dail</b>	1 AM. y Total	\$0	O.0
06:00 06:00  2-21-2011  DailyCosts: Dril Cum Costs: Dril MD 6	24.0  Repor  ling  ling	0 <b>ted By</b> \$0 \$38,700	60	CRAIG'S BUCKE CEMENT TO SUR BLM WAS NOTIF ROBERT WILKIN Com Com Progress	ET RIG SPERFACE WIFE  FIED BY ENTERPRISE  IN EXAMPLE IN THE PROPERTY OF THE PR	UD A 20" HOL TH READY M SMAIL OF SPU \$0 \$0	IIX. JD ON 12/1	16/11 @ 11:5 Dail Well	of AM.  y Total  Total	\$0 \$38,700 <b>Visc</b>	
06:00 06:00  2-21-2011  Daily Costs: Dril	Repor ling ling 0 TV	0 0 ted By \$0 \$38,700	60 ) 60 <b>PBTD</b>	CRAIG'S BUCKE CEMENT TO SUR  BLM WAS NOTIF ROBERT WILKIN  Com Com Progress : 0.0	ET RIG SPERFACE WIFE  FIED BY ENTERPRISE  IN EXAMPLE IN THE PROPERTY OF THE PR	UD A 20" HOL TH READY M EMAIL OF SPU \$0 \$0 <b>Days</b>	IIX. JD ON 12/1	16/11 @ 11:5 Dail Well	y Total  Total  0.0	\$0 \$38,700 <b>Visc</b>	
06:00 06:00  2-21-2011  Daily Costs: Dril Cum Costs: Dril AD 6  Formation:	Repor ling ling 0 TV	0 0 ted By \$0 \$38,700	60 60 <b>PBTD</b> N BUII	CRAIG'S BUCKE CEMENT TO SUR  BLM WAS NOTIF ROBERT WILKIN  Com Com Progress : 0.0	ET RIG SPERFACE WIFE  FIED BY E  IS  Appletion  0	UD A 20" HOL TH READY M EMAIL OF SPU \$0 \$0 <b>Days</b>	IIX. JD ON 12/1	16/11 @ 11:5 Dail Well	y Total  Total  0.0	\$0 \$38,700 <b>Visc</b>	
2-21-2011 DailyCosts: Dril Cum Costs: Dril AD 6 Formation:	Repor ling 0 TV	ted By \$0 \$38,700  /D  LOCATION  From 7	60 60 PBTD N BUII	CRAIG'S BUCKE CEMENT TO SUR BLM WAS NOTIF ROBERT WILKIN Com Com Progress : 0.0	ET RIG SPERFACE WIFE BY EVEN B	UD A 20" HOLETH READY MEMAIL OF SPU	IIX. JD ON 12/1	16/11 @ 11:5 Dail Well	y Total  Total  0.0	\$0 \$38,700 <b>Visc</b>	
2–21–2011  DailyCosts: Dril Cum Costs: Dril AD 6  Formation: Activity at Repo	Repor ling 0 TV rt Time:	ted By \$0 \$38,700 /D I LOCATION From 7	60 60 PBTD N BUII	CRAIG'S BUCKE CEMENT TO SUR  BLM WAS NOTIF ROBERT WILKIN  Com Com Progress : 0.0 .D  Activity Descrip	ET RIG SPERFACE WIFE  FIED BY E  IS  Appletion  0  Otion  % COMPL	UD A 20" HOLETH READY MEMAIL OF SPU	IIX. JD ON 12/1	16/11 @ 11:5 Dail Well	y Total  Total  0.0	\$0 \$38,700 <b>Visc</b>	
2-21-2011  DailyCosts: Dril Cum Costs: Dril AD 6  Formation: Activity at Repo Start End 06:00 06:00  2-22-2011	Repor ling ling 0 TV rt Time: Hrs 24.0 Repor	ted By \$0 \$38,700 /D I LOCATION From 7	60 60 PBTD N BUII	CRAIG'S BUCKE CEMENT TO SUR  BLM WAS NOTIF ROBERT WILKIN  Com Com Progress : 0.0  LD  Activity Descrip LOCATION IS 809 ROBERT WILKIN	ET RIG SPERFACE WIFE  FIED BY E  IS  Appletion  0  Otion  % COMPL	UD A 20" HOLETH READY MEMAIL OF SPU	IIX. JD ON 12/1	16/11 @ 11:5 Dail Well MW	y Total  Total  0.0	\$0 \$38,700 <b>Visc</b>	
2-21-2011  DailyCosts: Dril Cum Costs: Dril AD 6  Formation : Activity at Repo	Repor ling 0 TV rt Time: Hrs 24.0 Repor	ted By \$0 \$38,700  T LOCATION From 7 0 ted By	60 PBTD N BUIL To 0	CRAIG'S BUCKE CEMENT TO SUR  BLM WAS NOTIF ROBERT WILKIN  Com Progress : 0.0  LD Activity Descrip LOCATION IS 809 ROBERT WILKIN  Com	ET RIG SPERFACE WIFE SET RIG BY EVEN SET	UD A 20" HOL TH READY M  SMAIL OF SPU  \$0  \$0  Days  Perf:	IIX. JD ON 12/1	Dail Well MW	y Total Total  0.0 PKR Dep	\$0 \$38,700 <b>Visc</b> <b>pth</b> : 0.0	
2-21-2011 DailyCosts: Dril Cum Costs: Dril AD 6 Formation: Activity at Repo Start End 06:00 06:00 2-22-2011 DailyCosts: Dril Cum Costs: Dril Cum Costs: Dril	Repor ling 0 TV rt Time: Hrs 24.0 Repor	ted By \$0 \$38,700  The state of	60 PBTD N BUIL To 0	CRAIG'S BUCKE CEMENT TO SUR  BLM WAS NOTIF ROBERT WILKIN  Com Progress : 0.0  LD Activity Descrip LOCATION IS 809 ROBERT WILKIN  Com	ET RIG SPERFACE WIFE  FIED BY E  IS  Appletion  0  otion  % COMPLE  IS  Appletion	UD A 20" HOLETH READY MEMAIL OF SPUSAN SOLUTION	IIX. JD ON 12/1	Dail Well MW	y Total  O.0  PKR Dep	\$0 \$38,700 <b>Visc</b> <b>pth:</b> 0.0	
2-21-2011 DailyCosts: Dril Cum Costs: Dril AD 6 Formation: Activity at Repo Start End 06:00 06:00 2-22-2011 DailyCosts: Dril Cum Costs: Dril Cum Costs: Dril	Reporting O TV  rt Time: Hrs 24.0  Reporting	\$0 \$38,700  From 7  0 0  ted By  \$0 \$38,700	60 PBTD N BUII Fo 0	CRAIG'S BUCKE CEMENT TO SUR  BLM WAS NOTIF ROBERT WILKIN  Com Progress : 0.0  LD Activity Descrip LOCATION IS 809 ROBERT WILKIN  Com Progress	ET RIG SPERFACE WIFE SET RIG BY EVEN SET RIG BY EVEN SET RIG SPEED BY EVEN SET RIGHT S	UD A 20" HOL TH READY M  SMAIL OF SPU  \$0  \$0  Days  Perf:  LETE.  \$0  \$0	0 (IIX.	Dail Well MW Dail Well	y Total  O.0  PKR Dep	\$0 \$38,700 <b>Visc</b> <b>pth</b> : 0.0 \$0 \$38,700 <b>Visc</b>	0.0
2-21-2011 DailyCosts: Dril AD 6 Formation: Activity at Repo Start End 06:00 06:00 2-22-2011 DailyCosts: Dril Cum Costs: Dril AD 66	Reporting ling 0 TV rt Time: Hrs 24.0 Reporting ling 0 TV	ted By \$0 \$38,700  T LOCATION From 7 0 0 ted By \$0 \$38,700 7D	60  PBTD  N BUII  Fo  0  PBTD	CRAIG'S BUCKE CEMENT TO SUR  BLM WAS NOTIF ROBERT WILKIN  Com Progress : 0.0  Activity Descrip LOCATION IS 809 ROBERT WILKIN  Com Com Progress : 0.0	ET RIG SPERFACE WIFE SET RIG BY EVEN SET RIG BY EVEN SET RIG SPEED BY EVEN SET RIGHT S	UD A 20" HOLETH READY MEMAIL OF SPUE	0 (IIX.	Dail Well MW Dail Well	y Total  O.0  PKR Dep  y Total  conditions to the second s	\$0 \$38,700 <b>Visc</b> <b>pth</b> : 0.0 \$0 \$38,700 <b>Visc</b>	0.0
2-21-2011 DailyCosts: Dril Cum Costs: Dril AD 6 Cormation: Activity at Repo Start End 06:00 06:00 2-22-2011 DailyCosts: Dril Cum Costs: Dril AD 6 Cormation:	Reporting ling 0 TV rt Time: Hrs 24.0 Reporting ling 0 TV	ted By \$0 \$38,700  T LOCATION From 7 0 0 ted By \$0 \$38,700 7D	60  PBTD  N BUIL  TO  60  PBTD  N BUIL	CRAIG'S BUCKE CEMENT TO SUR  BLM WAS NOTIF ROBERT WILKIN  Com Progress : 0.0  Activity Descrip LOCATION IS 809 ROBERT WILKIN  Com Com Progress : 0.0	ET RIG SPERFACE WIFE  FIED BY E  IS  IN I	UD A 20" HOLETH READY MEMAIL OF SPUE	0 (IIX.	Dail Well MW Dail Well	y Total  O.0  PKR Dep  y Total  conditions to the second s	\$0 \$38,700 <b>Visc</b> <b>pth</b> : 0.0 \$0 \$38,700 <b>Visc</b>	0.0

Well Name: CWU 1546–26D Field: CHAPITA DEEP Property: 066348

12-23-2011 Reported By	ROBERT WILKINS				
DailyCosts: Drilling \$0	Completion	\$0		Daily Total	\$0
Cum Costs: Drilling \$38,700	Completion	\$0		Well Total	\$38,700
<b>MD</b> 60 <b>TVD</b>	60 <b>Progress</b> 0	Days	0	<b>MW</b> 0.0	Visc 0.0
Formation : Pl	TD: 0.0	Perf :		PKR De	<b>pth</b> : 0.0
Activity at Report Time: LOCATION	BUILD				_
Start End Hrs From To	Activity Description				
06:00 06:00 24.0 0	0 LOCATION IS 85% COMP	LETE. HAULII	NG CLOSE	D LOOP MATERIAL.	
12-26-2011 Reported By	ROBERT WILKINS				
DailyCosts: Drilling \$0	Completion	\$0		Daily Total	\$0
Cum Costs: Drilling \$38,700	Completion	\$0		Well Total	\$38,700
MD 60 TVD	60 <b>Progress</b> 0	Days	0	<b>MW</b> 0.0	Visc 0.0
	TD: 0.0	Perf:		PKR De	
Activity at Report Time: LOCATION		•		<b>2                              </b>	<u>.</u>
Start End Hrs From To					
06:00 06:00 24.0 0	0 LOCATION IS 90% COMP	LETE. HAULII	NG CLOSE	D LOOP MATERIAL.	
2-27-2011 Reported By	ROBERT WILKINS				
DailyCosts: Drilling \$0	Completion	\$0		Daily Total	\$0
Cum Costs: Drilling \$38,700	Completion	\$0		Well Total	\$38,700
MD 60 TVD	_		0	<b>MW</b> 0.0	<b>Visc</b> 0.0
	60 <b>Progress</b> 0 <b>TD:</b> 0.0	Days Perf :	O	PKR De	, 250
Activity at Report Time: LOCATION		1 611 .		I KK De	<b>ptii .</b> 0.0
Start End Hrs From To	Activity Description				
06:00 06:00 24.0 0	0 WAITING ON AIR RIG, HA	JULING MATE	ERIAL FOR	CLOSED LOOP	
12–28–2011 Reported By	ROBERT WILKINS			CLOSED LOOI.	
DailyCosts: Drilling \$0		\$0		Daily Total	\$0
Cum Costs: Drilling \$38,700	Completion Completion	\$0		Daily Total Well Total	\$38,700
_	•		0		
MD 60 TVD	60 Progress 0		0	MW 0.0	Visc 0.0
	TD: 0.0	Perf:		PKR De	<b>ptn:</b> 0.0
Activity at Report Time: LOCATION					
Start End Hrs From To	• •	III IID CLOSE	D I OOD TO	ND AV	
06:00 06:00 24.0 0	0 LOCATION IS 100%. FINIS	SH UP CLOSE	D LOOP TO	DDAY.	
2-31-2011 Reported By	KYLAN COOK				
DailyCosts: Drilling \$33,819	Completion	\$0		Daily Total	\$33,819
Cum Costs: Drilling \$72,519	Completion	\$0		Well Total	\$72,519
<b>MD</b> 536 <b>TVD</b>	536 <b>Progress</b> 217	Days	0	<b>MW</b> 0.0	Visc 0.
	TD . 0.0	Perf:		PKR De	<b>pth:</b> 0.0
Formation : Pl	TD: 0.0				
Formation: Pl Activity at Report Time: DRILLING					
	⊉ 536'				

Well Name: CWU 1546-26D Field: CHAPITA DEEP Property: 066348 16:00 17:00 1.0 0 RIG ON DAY WORK @ 16:00 PM ON 12/30/2011. 0 TALLY BHA. WELL PREDRILLED FROM 79' TO 319' KOP. THIS WELL PLANNED AZIMUTH 255.02\*, INC 17.00\*. MUD MOTOR 1.75 DEGREE BEND, RPG .16, BIT TO BEND 7.04', BIT TO MWD 59'. 0 MWD NOT COMMUNICATING WITH COMPUTER. 17:00 20:00 3.0 0 0 PICK UP BHA AND ORIENT MWD. TRIP IN HOLE TO 319' KOP. 20:00 00:30 4.5 0 536 DRILL ROTATE AND SLIDE FROM 319' TO 536', 217', ROP 39.5' FPH. 319 00:30 06:00 5.5 WOB ROTATE 8-10K, WOB SLIDE 8-10K. ROTARY RPM 40, MOTOR RPM 83. PUMP STROKES 136, GPM 517. PSI 400, DIFF PSI 150. 21' HIGH OF LINE. ROTATE 30% SLIDE 70%. TFO 258. ALL SURVEYS AND DEPTHS ADJUSTED TO TRUE #34 RKB=19' NO ACCIDENTS REPORTED. SAFTEY MEETINGS: RIGGING UP AND TRIPPING DIRECTIONAL TOOLS. FUEL USED 625 GALLONS. 01-01-2012 KYLAN COOK Reported By \$29,029 **Daily Total DailyCosts: Drilling** Completion \$0 \$29,029 **Cum Costs: Drilling** \$101,548 Completion \$0 Well Total \$101,548 1,546 MD TVD 1,525 1,010 0 MW0.0 0.0 **Progress** Davs Visc **PBTD**: 0.0 Perf: PKR Depth: 0.0 **Formation:** Activity at Report Time: DRILLING @ 1546 Start End From To **Activity Description** 06:00 18:00 12.0 536 1169 DRILL ROTATE AND SLIDE FROM 536' TO 1169', 633', ROP 52.7' FPH. WOB ROTATE 12K, WOB SLIDE 12K. ROTARY RPM 45, MOTOR RPM 85. PUMP STROKES 140, GPM 532. PSI 1000, DIFF PSI 100. 70' HIGH AND 14' RIGHT OF LINE. ROTATE 86% SLIDE 14%. TFO 180G. 1546 DRILL ROTATE AND SLIDE FROM 1169' TO 1546'. 377'. ROP 31.4' FPH. 18:00 06:00 12.0 1169 WOB ROTATE 10K, WOB SLIDE 12K. ROTARY RPM 45, MOTOR RPM 85. PUMP STROKES 140, GPM 532. PSI 900, DIFF PSI 100. 30' HIGH AND 7' RIGHT OF LINE. ROTATE 60% SLIDE 40%. TFO 150R. ALL SURVEYS AND DEPTHS ADJUSTED TO TRUE #34 RKB=19' NO ACCIDENTS REPORTED. SAFTEY MEETINGS: MAKING CONNECTIONS AND PPE. FUEL USED 1150 GALLONS. KYLAN COOK 01-02-2012 Reported By DailyCosts: Drilling \$26,889 Completion \$0 **Daily Total** \$26,889 **Well Total Cum Costs: Drilling** \$128,437 Completion \$0 \$128,437 1.926 1.894 **Progress** 380 0 MW0.0 0.0 MD **TVD Davs** Visc **Formation: PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: DRILLING @ 1926' Start Hrs From To **Activity Description** 06:00 07:00 1.0 0 0 CIRCULATE AND TRIP OFF BOTTOM TO CLEAN MUD TANKS. 0 CLEAN MUD TANKS. 07:00 11:00 4.0 0

Sundry Number: 22687 API Well Number: 43047517390000

1579 DRILL ROTATE AND SLIDE FROM 1546' TO 1579'.

0 WORK ON PUMP.

11:00

14:00

14:00

15:00

1546

0

3.0

1.0

Well Name: CWU 1546-26D Field: CHAPITA DEEP Property: 066348 16:00 1579 1619 DRILL ROTATE AND SLIDE FROM 1579' TO 1619'. 15:00 1.0 0 0 WORK ON PUMP. 16:00 16:30 0.5 16:30 19:00 2.5 1619 1736 DRILL ROTATE AND SLIDE FROM 1619' TO 1736'. 117'. ROP 46' FPH. WOB ROTATE 14K, WOB SLIDE 14K. ROTARY RPM 45, MOTOR RPM 85. PUMP STROKES 140, GPM 532. PSI 1200, DIFF PSI 100. 13' HIGH AND 7' RIGHT OF LINE. ROTATE 60% SLIDE 40%. TFO 10R. 0 0 WORK ON PUMP. 19:00 19:30 0.5 19:30 06:00 10.5 1736 1926 DRILL ROTATE AND SLIDE FROM 1736' TO 1926'. 190'. ROP 18' FPH. WOB ROTATE 10K, WOB SLIDE 16K. ROTARY RPM 45, MOTOR RPM 85. PUMP STROKES 140, GPM 532. PSI 1000, DIFF PSI 100. 7' HIGH AND 5' RIGHT OF LINE. ROTATE 67% SLIDE 33%. TFO 50R. ALL SURVEYS AND DEPTHS ADJUSTED TO TRUE #34 RKB=19' NO ACCIDENTS REPORTED. SAFTEY MEETINGS: HIGH PRESSURE LINES AND CLEAN WORK SPACE. FUEL USED 925 GALLONS. KYLAN COOK 01-03-2012 Reported By DailyCosts: Drilling \$26,889 Completion \$0 **Daily Total** \$26,889 **Cum Costs: Drilling** \$155,326 Completion \$0 **Well Total** \$155,326 2,290 0 0.0 0.0 MD **TVD** 2,238 364 MWVisc **Progress Days Formation: PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: TIH W/BIT & REAMER Start End From To **Activity Description** 2290 DRILL ROTATE AND SLIDE FROM 1926' TO 2290'. 364'. ROP 22.75' FPH. 06:00 22:00 16.0 1926 WOB ROTATE 15K, WOB SLIDE 12K. ROTARY RPM 45, MOTOR RPM 85. PUMP STROKES 140, GPM 532. PSI 1000, DIFF PSI 100. 17' HIGH AND 3' RIGHT OF LINE. ROTATE 90% SLIDE 10%. TFO 180G. 22:00 00:00 2.0 0 0 CIRCULATE FOR WIPER TRIP. 00:00 04:30 4.5 0 0 TRIP OUT OF HOLE WITH DIRECTIONAL TOOLS. 0 0 TALLY BHA WITH TRI-CONE AND REAMER. TRIP BACK TO BOTTOM. 04:30 06:00 1.5 ALL SURVEYS AND DEPTHS ADJUSTED TO TRUE #34 RKB=19' NO ACCIDENTS REPORTED. SAFTEY MEETINGS: PPE AND TRIPPING OUT OF HOLE. FUEL USED 950 GALLONS KYLAN COOK 01-04-2012 Reported By DailyCosts: Drilling \$89,185 \$0 **Daily Total** \$89,185 Completion **Cum Costs: Drilling** \$244,511 Completion \$0 **Well Total** \$244,511 2,290 MD **TVD** 2,238 **Progress** Days 0 MW0.0 Visc 0.0 **PBTD**: 0.0 Formation: Perf: PKR Depth: 0.0 Activity at Report Time: CEMENTING SURFACE CASING Start End Hrs From To **Activity Description** 06:00 08:00 2.0 0 0 TRIP BACK TO BOTTOM WITH TRI-CONE AND REAMER. 08:00 09:00 1.0 0 0 CIRCULATE TO TRIP OUT OF HOLE AND RUN CASING.

Sundry Number: 22687 API Well Number: 43047517390000

Page 5

0 TRIP OUT OF HOLE TO RUN CASING.

0 RIG UP TO RUN CASING.

09:00

13:00

13:00

15:00

4.0

2.0

0

0

Sundry Number: 22687 API Well Number: 43047517390000 Well Name: CWU 1546-26D Field: CHAPITA DEEP Property: 066348 19:30 0 RUN 54 JTS (2261.70') OF 9-5/8", 36.0#, K-55, ST&C CASING WITH HALLIBURTON GUIDE SHOE 15:00 4.5 0 AND FLOAT COLLAR. 12 CENTRALIZERS SPACED 10' FROM THE SHOE, ON TOP OF JOINTS #2 AND #3 THEN EVERY 5TH COLLAR TO SURFACE. ALSO 2 CENTRALIZERS AT KOP. LANDED @ 2228' TVD / 2280.70' MD. 0 RUN 200' OF 1" PIPE. 19:30 20:00 0.5 0 20:00 21:00 1.0 0 0 RDMO CRAIG'S PRESET RIG. RELEASE RIG @ 21:00 PM ON 01/03/12. MOVING TO CWU 1545-26D. ALL SURVEYS AND DEPTHS ADJUSTED TO TRUE #34 RKB=19' NO ACCIDENTS REPORTED. SAFTEY MEETINGS: TRIPPING OUT OF HOLE AND RUNNING CASING. FUEL USED 200 GALLONS.

01-05-2012	Re	eported By	K	YLAN COOK							
DailyCosts: 1	Drilling	\$43,7	706	Con	pletion	\$0		Daily	Total	\$43,706	
Cum Costs:	Drilling	\$288	,217	Con	pletion	\$0		Well	<b>Total</b>	\$288,217	
MD	2,290	TVD	2,238	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:			<b>PBTD</b> : 0	.0		Perf:			PKR Dei	oth: 0.0	

**Activity at Report Time: WORT** 

Start	End	Hrs	From To	Activity Description
06:00	06:00	24.0	0	0 CEMENT JOB: MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED
				LINES AND CEMENT VALVE TO 3000 PSIG. PUMPED 150 BBLS FRESH WATER & 20 BBLS GELLED
				WATER FLUSH AHEAD OF CEMENT.

LEAD: MIXED AND PUMPED 250 SACKS (183 BBLS) OF PREMIUM LEAD CEMENT WITH 0.3% VERSASET, 2% CAL-SEAL, AND 2% ECONOLITE. MIXED LEAD CEMENT @ 10.5 PPG WITH YIELD OF 4.1 CF/SX. TAIL: MIXED AND PUMPED 300 SACKS (63 BBLS) OF PREMIUM CEMENT WITH 2%CACL2 MIXED TAIL CEMENT @ 15.6 PPG WITH YIELD OF 1.2 CF/SX. DISPLACED CEMENT WITH 171 BBLS FRESH WATER. BUMPED PLUG WITH 900# @ 05:25 AM ON 01/04/12. FLOAT HELD. SHUT-IN CASING VALVE. BROKE CIRCULATION 150 BBLS INTO FRESH WATER FLUSH, LOST RETURNS 140 BBLS INTO DISPLACEMENT. NO CEMENT TO SURFACE. WOC 2 HR.

TOP JOB #1: PUMP DOWN 200' OF 1" PIPE. MIXED & PUMPED 100 SX (20 BBLS) OF PREMIUM CEMENT WITH 2% CACL2. MIXED CEMENT @ 15.8 PPG WITH YIELD OF 1.17 CF/SX. GOOD CEMENT TO SURFACE. HOLE STOOD FULL.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

KYLAN COOK NOTIFIED BLM VIA E-MAIL OF THE SURFACE CASING & CEMENT JOB ON 01/02/12 @ 06:30 AM. KYLAN COOK NOTIFIED CAROL DANIELS WITH UDOGM VIA PHONE OF THE SURFACE CASING & CEMENT JOB ON 01/02/12 @ 06:30 AM.

SUBMIT AS EMAIL

Print Form

### BLM - Vernal Field Office - Notification Form

Operator EOG RESOURCES	Rig Name/# TRUE 34
	Phone Number <u>877-352-0710</u>
Well Name/Number <u>CWU 1546</u>	
	Township <u>9S</u> Range <u>22E</u>
Lease Serial Number UTU0285A	
API Number <u>43-047-51739</u>	
Spud Notice - Spud is the initia	al spudding of the well, not drilling
out below a casing string.	·
<b>-</b>	
Date/Time	AM  PM
<u>Casing</u> – Please report time castimes.	sing run starts, not cementing
Surface Casing	RECEIVED
Intermediate Casing	FEB 1 0 2012
Production Casing	1 LB 1 0 2012
Liner	DIV. OF OIL, GAS & MINIT
Other	
Date/Time	AM  PM
<u>BOPE</u>	
✓ Initial BOPE test at surface	<del></del>
BOPE test at intermediate	casing point
30 day BOPE test	
Other	
_	
Date/Time <u>02/10/2012</u>	18:00 AM  PM ✓
<b>—</b>	
Remarks Approximate Time.	

Print Form

### BLM - Vernal Field Office - Notification Form

Operator <u>EOG RESOURCES</u>	Rig Name/# TRUE 34
Submitted By JOHNNY TURNER	Phone Number <u>877-352-0710</u>
Well Name/Number <u>CWU 1546</u>	
Qtr/Qtr NE/NE Section 26	Township <u>9S</u> Range <u>22E</u>
Lease Serial Number UTU0285A	
API Number 43-047-51739	
<u>Spud Notice</u> – Spud is the initia out below a casing string.	l spudding of the well, not drilling
Date/Time	AM  PM
<u>Casing</u> – Please report time cas times.	ing run starts, not cementing
Surface Casing	RECEIVED
Intermediate Casing	FEB 1 9 2012
✓ Production Casing	• —
Liner	DIV. OF OIL, GAS & MINING
Other	
Date/Time <u>02/19/2012</u>	11:30 AM ✓ PM 🗌
BOPE Initial BOPE test at surface BOPE test at intermediate 30 day BOPE test Other	
Date/Time	AM  PM
Remarks Approximate Time.	

	STATE OF UTAH		FORM 9
ı	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly reenter plugged wells, or to drill horiz n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1546-26D
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047517390000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Ve	rnal, UT, 84078 435	PHONE NUMBER: 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0445 FNL 0531 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	<b>HIP, RANGE, MERIDIAN:</b> 26 Township: 09.0S Range: 22.0E Meri	idian: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
·	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
✓ DRILLING REPORT	TUBING REPAIR		☐ WATER DISPOSAL
Report Date: 3/7/2012	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
07172012	WILDCAT WELL DETERMINATION	OTHER	OTHER:
The referenced we 1542-26D, 1543- complete on all well referenced well read	completed operations. Clearly showed shares a pad with Chapit 26D and 1544-26D. Once is on the pad, completion opened TD on 2/18/2012. Pleat for the referenced well sh 3/7/2012.	ta Wells Unit 1541-26D, drilling operations are perations can begin. The ase see the attached well	Accepted by the Utah Division of Oil, Gas and Mining
NAME (PLEASE PRINT)	PHONE NUM		
Mickenzie Gates	435 781-9145	Operations Clerk	
<b>SIGNATURE</b>   N/A		<b>DATE</b> 3/7/2012	

											1 ,	
15:00	19:30	4.5	0	AN AN	IN 54 JTS (226: ND FLOAT COI ND #3 THEN EV 28' TVD / 2280	LLAR. 12 ( VERY 5TH	CENTRALIZ	ZERS SPACEI	10' FROM	THE SHOE,	ON TOP OF JO	OINTS #2
19:30	20:00	0.5	0	0 RU	JN 200' OF 1" F	PIPE.						
20:00	21:00	1.0	0	0 RD	MO CRAIG'S	PRESET F	RIG. RELEA	SE RIG @ 21	:00 PM ON	01/03/12. MO	VING TO CW	J 1545–26D.
				AL	L SURVEYS A	AND DEPT	HS ADJUST	ED TO TRUE	E #34 RKB=	:19'		
					ACCIDENTS							
					FTEY MEETIN			OF HOLE AN	D RUNNIN	IG CASING.		
01 05 3	0012	D4 - 1 '	D.		EL USED 200	GALLONS	S.					
01-05-2		Reported 1	-	KI	LAN COOK	1.4	¢0		ъ.	7D 4 1	¢44.540	
	sts: Drillin	0	344,549			npletion	\$0 \$0			y Total I Total	\$44,549 \$304,810	
	sts: Drillin	8	304,810	2 220		apletion		0				0.0
MD Formati	2,290	TVD		2,238 S <b>TD:</b> 0.	Progress	0	Days Perf :	0	MW	0.0 <b>PKR De</b>	Visc	0.0
	on : at Report '	<b>F:</b> WO		1D: 0.	U		ren:			rkk De	<b>pun :</b> 0.0	
	<b>P</b>											
				VE OF CA 171	AD: MIXED A ERSASET, 2% ( 5 4.1 CF/SX. TA CL2 MIXED T 1 BBLS FRESH IUT-IN CASIN	CAL-SEAI AIL: MIXEI AIL CEMI I WATER.	L, AND 2% I D AND PUM ENT @ 15.6 BUMPED PI	ECONOLITE. IPED 300 SAO PPG WITH Y LUG WITH 90	MIXED LECKS (63 BB IELD OF 1. 100# @ 05:25	EAD CEMENT SLS) OF PREM 2 CF/SX. DIS 5 AM ON 01/0	Г @ 10.5 PPG V ИІИМ CEMEN' PLACED CEM 4/12. FLOAT H	VITH YIELD I WITH 2% ENT WITH IELD.
				TO CE	TURNS 140 BI OP JOB #1: PUN EMENT WITH 2 EMENT TO SUI	MP DOWN 2% CACL2	200' OF 1" I	PIPE. MIXED EMENT @ 15	& PUMPE	D 100 SX (20	BBLS) OF PRI	
					EPARED LOC.	ATION FO	R ROTARY	RIG. WORT.	WILL DRO	P FROM REP	ORT UNTIL FU	JRTHER
				01/	/LAN COOK N /02/12 @ 06:30 IE SURFACE C	AM. KYL.	AN COOK N	NOTIFIED CA	ROL DANI	ELS WITH U		
02-11-2	2012	Reported 1	Ву	BII	LL SNAPP							
DailyCo	sts: Drillin	g \$	664,613		Con	npletion	\$0		Dail	y Total	\$64,613	
Cum Co	sts: Drillin	<b>g</b> \$	369,424		Con	apletion	\$0		Wel	l Total	\$369,424	
MD	2,290	TVD		2,238	Progress	0	Days	0	MW	9.2	Visc	31.0
Formati	on:		PB	<b>TD</b> : 0.	0		Perf:			PKR De	<b>pth</b> : 0.0	
Activity	at Report	Time: TES	TING BO	OPE								
Start	End	Hrs Fr	om To	Ac	tivity Descrip	ption						
									-			

Field: CHAPITA DEEP

Sundry Number: 23775 API Well Number: 43047517390000

Well Name: CWU 1546-26D

Property: 066348

Well Name: CWU 1546–26D Field: CHAPITA DEEP Property: 066348

10:30	14:00	3.5	0	0 RIG DOWN & SKID 50' FROM CWU 1542–26DTO CWU 1546–26D. WHILE SKIDDING RIG, SET OUT BACK YARD ON TRUE 34 TO MOVE IN CRAIG'S BUCKET RIG TO BEGIN SETTING CONDUCTOR ON CWU 1542–26DX REPLACEMENT WELL.
14:00	17:00	3.0	0	0 RIG UP.
17:00	23:00	6.0	0	0 ACCEPT RIG ON DAYWORK @ 17:00 HRS. 2/10/2012, NIPPLE UP BOPE.
23:00	06:00	7.0	0	0 TEST UPPER & LOWER KELLY VALVES, FLOOR VALVES, CHOKE VALVES, CHOKE MANIFOLD, CHECK VALVE, PIPE RAMS & BLIND RAMS TO 5000 PSI HIGH, 250 LOW, ANNULAR 2500 PSI

AFTER BOPE TEST WILL PU BHA TO BEGIN DRILLING PRODUCTION HOLE ON THE CWU 1546–26D AND CONTINUE OPERATIONS AS FAR AS POSSIBLE WHILE WAITING ON CONDUCTOR ON CWU 1542–26DX WELL TO BE SET. ONCE CONDUCTOR ON CWU 1542–26DX IS SET, WILL SET BACK YARD ON TRUE 34 BACK IN AND CONTINUE WITH OPERATIONS ON CWU 1546–26D.

FULL CREWS

NO INCIDENT NO ACCIDENT

SAFETY MEETING, SKIDDING RIG

FUEL 9804 GALS. USED 684 GAL.

SKIDDED RIG FORWARD TO THE CWU 1546–26D SLOT (FURTHEST WELL WEST ON PAD) TO ALLOW ENOUGH ROOM TO SET CONDUCTOR FOR THE CWU 1542–26DX REPLACEMENT WELL FOR AND LOCATED 10' EAST OF THE ABANDONED CWU 1542–26DWELLBORE. WILL DRILL WELLS ON PAD WITH TRUE 34 FROM WEST END OF PAD TO EAST END TO MINIMIZE DOWNTIME TO ACCOMMODATE THE DRILLING OF THE CWU 1542–26DX REPLACEMENT WELL.

02-12-2012	Re	eported By	JC	JOHNNY TURNER/ BILL SNAPP								
DailyCosts: Drilling \$39,2		03	<b>Completion</b> \$0				Daily Total			\$39,203		
<b>Cum Costs: Drilling</b>		\$408,627		<b>Completion</b> \$0				Well Total				
MD	3,150	TVD	3,065	Progress	860	Days	1	MW	9.5	Visc	31.0	
Formation: PBTD			<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0		

Activity at Report Time: DRILLING @ 3,150'

Start	End	Hrs	From T	O Activity Description
06:00	06:30	0.5	0	0 INSTALL WEAR BUSHING.
06:30	07:30	1.0	0	0 SLIP & CUT 66' OF DRILL LINE.
07:30	09:00	1.5	0	0 PICK UP DIRECTIONAL TOOLS & OREINT SAME.
09:00	11:30	2.5	0	0 SET BACK IN & RIG UP MUD PUMPS IN BACK YARD AFTER FINISHING SETTING CONDUCTOR FOR CWU 1542–26DX REPLACEMENT WELL ON FAR EAST END OF PAD.
11:30	14:00	2.5	0	0 FINISH PICKING UP BHA & TRIP IN HOLE & TAG CEMENT @ 2235'.
14:00	14:30	0.5	0	0 INSTALL KELLY DRIVE BUSHING & INSTALL ROTATING HEAD RUBBER.
14:30	16:30	2.0	0	0 DRILL CEMENT & FLOAT EQUIPMENT & 10' OF NEW FORMATION.
16:30	17:00	0.5	0	0 PERFORM F.I.T. @ 300 PSI = 12.0 PPG EMW.
17:00	06:00	13.0	2300	3150 ROTATE & SLIDE 2300' – 3150'.= 850', ROP 65.4 FPH.
				WOB 15–25K, RPM 57/68, MM 65, SPP 1325 PSI, DIFF. 200–400, 418 GPM. 83% ROTATE, 17% SLIDE,

MAHOGANY OIL SHALE FORMATION TOP 2324'.

NO INCIDENTS, NO ACCIDENTS

FULL CREWS

SAFETY MEETING, SETTING IN PUMPS, WORKING WITH RIGHT TOOLS

BOP DRILL

COM CHECK DRILLING & TRIPPING FUEL, 8436 GALS, USED 1368 GALS.

06:00			0	0	SPUD 7 7/8" PRO	DUCTION	HOLE @ 17:	00 HRS, 2/	11/12.			
02-13-2	2012	Repor	ted By		JOHNNY TURNI	ER						
DailyCosts: Drilling \$34,050					Cor	npletion	\$0		Dail	y Total	\$34,050	
<b>Cum Costs: Drilling</b>			\$442,0	578	Cor	\$0			Well Total			
<b>MD</b> 4,780			<b>TVD</b> 4,6		8 Progress	1,630	Days	2	$\mathbf{M}\mathbf{W}$	9.9	Visc	32.0
Formati	ion :			PBTD	: 0.0		Perf:			PKR Dej	<b>pth:</b> 0.0	
Activity	at Repor	t Time:	DRILLIN	IG @ 478	80'							
Start	End	Hrs	From	То	Activity Descri	ption						
06:00	15:00	9.0	3150	3847	ROTATE & SLID PSI, DIFF. 200–4 TOP 2324', WAS.	00, 418 GP	M. 87% ROTA					
15:00	15:30	0.5	0	0	SERVICE RIG.							
15:30	06:00	14.5	3847	4780	ROTATE & SLID PSI, DIFF. 200–4 TOP 2324', WAS	00, 421 GP	M. 90% ROTA	TE, 10% SI	LIDE, MAH	*		
					NO INCIDENT N	IO ACCIDI	ENT					
					FULL CREWS							
					COM CHECK DI	RILLING						
					SAFETY MEETI	NG, LAST	DAY AWARE	NESS, CHA	ANGE HEAT	ER CORE ON	STEAM HEA	ΓER.
					FUEL 6726 GAL	S. USED 17	710 GALS.					
02-14-2	2012	Repor	ted By		JOHNNY TURNI	ER						
DailyCo	sts: Drilli	ing	\$37,43	51	<b>Completion</b> \$0			Daily Total \$37,451				
Cum Co	sts: Drill	ing	\$480,129		Completion		\$0		Well	Total	\$480,129	
MD	5,96	55 <b>TV</b>	<b>TVD</b> 5,87		3 Progress	1,185	Days	3	MW	10.3	Visc	34.0
Formation :				PBTD	: 0.0		Perf:			PKR Dej	<b>pth:</b> 0.0	
Activity	at Repor	t Time:	DRILLIN	IG @ 5,9	65'							
Start	End	Hrs	From	To	Activity Descri	ption						
06:00	16:30	10.5	4780	5252	ROTATE & SLID PSI, DIFF. 200–4							
16:30	17:00	0.5	0	0	SERVICE RIG.							
17:00	06:00	13.0	5252	0	ROTATE & SLID PSI, DIFF. 200–4 BUCK CANYON	00, 421 GP	M. 100% ROT	ATE 0% SI				
					NO INCIDENT N	IO ACCIDI	ENT					
					FULL CREWS							
					COM CHECK DI	RILLING						
					BOP DRILL							
					SAFETY MEETI	NG,FIRST	NIGHT BACE	K AWAREN	ESS, CHEC	KING SAFET	Y EQUIPMENT	Γ
					FUEL, 4788 GAL	S, USED 1	938 GALS.					

DailyCosts: Drilling		ng	\$74,3	20	Cor	npletion	\$0		Dail	y Total	\$74,320	
Cum C	osts: Drilli	ing	\$554,	450	Cor	<b>Completion</b> \$0			Well	Total	\$554,450	
MD	6,94	12 <b>T</b>	VD	6,85	0 Progress	977	Days	4	MW	10.6	Visc	34.0
Formation: PBTD: 0				: 0.0		Perf:			PKR Dep	oth: 0.0		
Activity	at Repor	t Time	: DRILLI	NG @ 69	42'							
Start	End	Hrs	From	To	Activity Descri	ption						
06:00	16:00	10.	0 5965	6503	ROTATE & SLID PSI, DIFF. 200–4 5977'. NORTH H	00, 453 GP	M. 97% ROTA					
16:00	16:30	0.	.5 0	0	SERVICE RIG.							
16:30	18:30	2.	0 6503	6597	ROTATE & SLID DIFF. 200–400, 4				*	*		
18:30	19:00	0.	.5 0	0	CHANGE SWIVE	EL PACKIN	NG ON KELLY					
19:00	06:00	11.	0 6597	6942	ROTATE & SLID PSI, DIFF. 200–4 PRICE RIVER 70	00, 453 GP	,		*			
					NO INCIDENT N	NO ACCIDI	ENT					
					FULL CREWS							
					COM CHECK DI	RILLING						
					SAFETY MEETI	NG, FORK	LIFT, MAKIN	G CONNE	CTIONS			
					FUEL 9918 GAL	S, USED 28	870 GALS., RE	CEIVED 7	7999 GALS (	OF DIESEL.		
02–16–	2012	Repo	rted By		JOHNNY TURNI	ER						
DailyCo	osts: Drilli	ng	\$39,3	38	Cor	npletion	\$6,664		Dail	y Total	\$46,002	
<b>Cum Costs: Drilling</b>		ing	\$593,	788	Cor	npletion	\$6,664		Well	Total	\$600,453	
MD	7,65	50 T	VD	7,55	8 Progress	708	Days	5	MW	11.0	Visc	41.0
Format	ion :			PBTD	: 0.0		Perf:			PKR Dep	oth: 0.0	
Activity	at Repor	t Time	: DRILLI	NG @ 76	50'							
Start	End	Hrs	From	То	Activity Descri	ption						
	07.00	1	- 0		CHANGE SWIVI	EL DACKIN	JG ON KELLY	,				
06:00	07:30	1.	.5 0	U	CHANGESWIVE	LLIACKII	10 OI1 KEELI	•				
06:00 07:30	07:30	0.			SERVICE RIG.	LLTACKII	VO OIV KLLLI	•				

Start	End	Hrs	From	To	<b>Activity Description</b>							
06:00	07:30	1.5	0	0	CHANGE SWIVEL PACKING	G ON KELLY.						
07:30	08:00	0.5	0	0	SERVICE RIG.							
08:00	06:00	22.0	6942	7650		I. 99.6% ROTAT	DP 32.2 FPH, WOB 15–25K, RP. E 0.4% SLIDE, NORTH HORN	, ,				
					NO INCIDENT NO ACCIDEN	NT						
					FULL CREWS							
					SAFETY MEETING, WORKING IN COLD WET WEATHER, UNLOADING CASING							
					COM CHECK DRILLING							
					FUEL 7638 GALS., USED 22	80 GALS						
02-17-2	2012	Report	ted By		JOHNNY TURNER							
DailyCo	sts: Drilli	ing	\$36,9	78	Completion	\$0	Daily Total	\$36,978				
Cum Co	osts: Drilli	ing	\$630,	766	Completion	\$6,664	Well Total	\$637,431				

Page 9

Days

Perf:

790

8,440 **TVD** 

MD

**Formation:** 

8,348 **Progress** 

**PBTD**: 0.0

11.2 **Visc** 

PKR Depth: 0.0

MW

39.0

<b>Activity at Report Time:</b>	DRILLING @ 8440'
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Start         End         Hrs         From         To         Activity Description           06:00         14:00         8.0         7650         7909         ROTATE & SLIDE 7650' TO 7909 = 259', ROP 32.4 FPH           WOB 15-25K, RPM 50/60, MM 65, SPP 2200 PSI, DIFF. 200-400, 434 G         SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933'.           14:00         14:30         0.5         0         0         SERVICE RIG.           :         06:00         15.5         7909         8440         ROTATE & SLIDE 7909' TO 8440' = 531', ROP 34.3 FPH           WOB 15-25K, RPM 50/60, MM 64, SPP 2200 PSI, DIFF. 200-400, 428 G         SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933', PRICE RIVER NO INCIDENTS OR ACCIDENTS           FULL CREWS         COM CHECK DRILLING           SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	GPM. 100% ROTATE 0.0%
WOB 15–25K, RPM 50/60, MM 65, SPP 2200 PSI, DIFF. 200–400, 434 of SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933'.  14:00	GPM. 100% ROTATE 0.0%
14:00 14:30 0.5 0 0 SERVICE RIG.  : 06:00 15.5 7909 8440 ROTATE & SLIDE 7909' TO 8440' = 531', ROP 34.3 FPH  WOB 15–25K, RPM 50/60, MM 64, SPP 2200 PSI, DIFF. 200–400, 428 6 SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933', PRICE RIVER  NO INCIDENTS OR ACCIDENTS  FULL CREWS  COM CHECK DRILLING  SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	
: 06:00 15.5 7909 8440 ROTATE & SLIDE 7909' TO 8440' = 531', ROP 34.3 FPH  WOB 15–25K, RPM 50/60, MM 64, SPP 2200 PSI, DIFF. 200–400, 428 6 SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933', PRICE RI  NO INCIDENTS OR ACCIDENTS FULL CREWS COM CHECK DRILLING SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	
WOB 15–25K, RPM 50/60, MM 64, SPP 2200 PSI, DIFF. 200–400, 428 0 SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933', PRICE	
SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933', PRICE RI  NO INCIDENTS OR ACCIDENTS  FULL CREWS  COM CHECK DRILLING  SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	
FULL CREWS  COM CHECK DRILLING  SAFETY MEETING,MOVING PIPE TUBS, FORKLIFT	
COM CHECK DRILLING SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	
SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	
THE FEOR CALL TIPE AGE CALL	
FUEL 5586 GALS., USED 2052 GALS	
02–18–2012 Reported By JOHNNY TURNER	
Daily Costs: Drilling\$40,007Completion\$0Daily Total	<b>al</b> \$40,007
Cum Costs: Drilling \$670,774 Completion \$6,664 Well Total	\$677,438
<b>MD</b> 9,280 <b>TVD</b> 9,188 <b>Progress</b> 840 <b>Days</b> 7 <b>MW</b>	11.5 <b>Visc</b> 39.0
Formation: PBTD: 0.0 Perf: PF	KR Depth: 0.0
Activity at Report Time: DRILLING @ 9280'	
Start End Hrs From To Activity Description	
06:00 15:30 9.5 8440 8785 ROTATE & SLIDE 8440' TO 8785' = 345', ROP 36.3 FPH, WOB 15–25k PSI, DIFF. 200–400, 422 GPM. 100% ROTATE 0.0% SLIDE, PRICE RIV RIVER LOWER 8722', SEGO 9237'.	
15:30 16:00 0.5 0 0 SERVICE RIG.	
16:00 06:00 14.0 8785 9280 ROTATE & SLIDE 8785' TO 9280' = 495', ROP 35.4 FPH, WOB 15–25k PSI, DIFF. 200–400, 422 GPM. 100% ROTATE 0.0% SLIDE, PRICE RIV	
NO INCIDENT NO ACCIDENT	
FULL CREWS	
COM CHECK DRILLING	
SAFETY MEETING, DRIVING TO & FROM WORK, BRING PIPE IN V	√–DOOR.
FUEL 3534 GALS, USED 2052 GALS.	
02–19–2012 Reported By JOHNNY TURNER	
Daily Costs: Drilling\$95,197Completion\$0Daily Total	<b>al</b> \$95,197
Cum Costs: Drilling \$765,972 Completion \$6,664 Well Total	\$772,636
<b>MD</b> 9,443 <b>TVD</b> 9,350 <b>Progress</b> 163 <b>Days</b> 8 <b>MW</b>	11.8 <b>Visc</b> 39.0
Formation: PBTD: 0.0 Perf: PF	KR Depth: 0.0
Activity at Report Time: LD DP	
Start End Hrs From To Activity Description	
Start         End         Hrs         From         To         Activity Description           06:00         14:30         8.5         9280         9443         ROTATE & SLIDE 9280' TO 9443' = 163', ROP 19.2 FPH, WOB 15-25K PSI, DIFF. 100-300, 422 GPM. 100% ROTATE 0.0% SLIDE, SEGO 923' @ 14:30 HOURS, ON 2/18/2012.	

2		
Well Name: CWU 1546-26D	Field: CHAPITA DEEP	Property: 066348

18-00   22-00   4.0   0   0   0   0   0   0   0   0   0	15:00	18:00	3	.0	0	0	CIRRCULATE &	CONDITIO	ON HOLE FOR	WIPER T	RIP.			
25:00   03:00   4.0   0   0   0   0   0   0   0   0   0	18:00	22:00	4	.0	0	0	PUMP PILL & TR	RIP OUT O	F HOLE FOR W	TPER TR	IP. TIGHT S	SPOT @ 4665.		
05:00   06:00   1:0   0   0   0   0   0   0   0   0   0	22:00	23:00	1	.0	0	0	LAY DOWN DIRI	ECTIONAL	L TOOLS.					
No INCIDENT NO ACCIDENT   FULL CREWS   NO INCIDENT NO ACCIDENT   FULL CREWS   COM CHECK DRILLING & TRIPPING	23:00	03:00	4	.0	0	0	PICK UP BIT SUI	B & TRIP I	N HOLE, NO H	OLE PRO	BLEMS.			
NO INCIDENT NO ACCIDENT	03:00	05:00	2	.0	0	0	CIRCULATE & C	ONDITIO	N HOLE TO LA	Y DOWN	DRILLPIP	E, NO FLARE	W/ BOTTOMS	S UP.
FULL CREW  COM CHIECK DRILLING & TRIPPING PIPE, LAYING DOWN TOOLS	05:00	06:00	1	.0	0	0	PUMP PILL & LA	Y DOWN	DRILLPIPE.					
FULL CREW    COM CHECK DRILLING & TRIPPING PIPE, LAYING DOWN TOOLS     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS OF DIESEL.     FULL 9804 GALS, USED 1333 GALS, RECIEVED 7606 GALS OF DIESEL.     FULL 9804 GALS, USED 1334 GALS OF DIESEL.     FULL 9804 GALS OF DIESEL.     FULL 9804 GALS OF DIESEL.     FULL 9804 GALS														
COM CHECK DRILLING & TRIPPING   SAFETY MEETING, TRIPPING PIPE, LAYING DOWN TOOLS								O ACCIDE	ENT					
SAFETY MEETING, TRIPPING PIPE, LAYING DOWN TOOLS   FUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS, USED 1330 GAIS, RECIEVED 7600 GAIS OF DIESEL.   PUEL 9804 GAIS OF DIESEL.								HIDIG O	TRIPPING					
Part										NG DOW	N TOOL G			
Def												NE DIECEI		
Note   Principal   Principa		2012						-	OSU GALS, REC	EVED /	OUU GALS C	of Diesel.		
Math	02-20-2	2012	Repo		•									
MID	-		_	(\$	31,613)							-	\$164,410	
No.	Cum Co	osts: Drill	ing	\$7	764,358	3	Con	pletion	\$172,687		Wel	l Total	\$937,046	
Start   End   Hrs   From   To   Activity Description	MD	9,44	13 <b>T</b>	<b>VD</b>		9,35	0 Progress	0	Days	9	MW	11.7	Visc	37.0
Start   End   Hrs   From   To   Activity Description	Formati	ion :			P	BTD	: 0.0		Perf:			PKR Dep	oth: 0.0	
11:00	Activity	at Repor	t Time	: RDR	T/WO	COM	PLETION							
11:30	Start	End	Hrs	Fro	m T	0	<b>Activity Descrip</b>	otion						
11:30	06:00	11:00	5	.0	0	0	LAY DOWN DRII	LLPIPE &	ВНА.					
JOINTS 11.6#, P-110, LT&C) AS FOLLOWS: FLOAT SHOE, 1 JT CASING, FLOAT COLLAR, 55 JTS OF CASING, PUP JOINT ON TOP OF FLOAT COLLAR TO SPACE OUT, MARKER JOINT, @ TOP OF PRICE RIVER, 65 JTS, CASING, MARKER JOINT, @ 400° ABOVE WASATCH, 102 JTS CASING RAN 3 TURBILIZERS (5° ABOVE SHOE AND MIDDLE OF JTS #2 & #3) + 1 BOW CENTRALIZER EVERY 3RD JOINT THEREAFTER TO 400° ABOVE WASATCH (TOTAL OF 40) TAG BOTTOM, LAY DOWN TAG JOINT, @ 100 ABOVE WASATCH (TOTAL OF 40) TAG BOTTOM, LAY DOWN TAG JOINT, PICK UP MANDREL & LAND CASING W 82K STRING WEIGHT @ 9436°. CASING WENT TO BOTTOM W/ NO HOLE PROBLEMS.  CASING LANDED AS FOLLOWS (DEPTHS SHOWN ARE TOPS OF COMPONENTS UNLESS OTHERWISE STATED): FLOAT SHOE (BOTTOM): 9436° FLOAT COLLAR: 9434' MARKER JOINT: 7084' MARKER JOINT: 4334'  18:30 21:30 3.0 0 0 CIRCULATE CASING ON BOTTOM, LAST 200 BBLS W/ 0.5 GPT XCIDE, NO FLARE W/ BOTTOMS UP.  21:30 00:30 3.0 0 TEST LINE TO 5000#, PUMP 20BBLS OF CHEMICAL FLUSH W/ 0.5 GPT XCIDE, 10 FRESH WATER W/ 0.5 GPT XCIDE,	11:00	11:30	0	.5	0	0	PULL WEAR BUS	SHING.						
UP.  21:30 00:30 3.0 0 TEST LINE TO 5000#, PUMP 20BBLS OF CHEMICAL FLUSH W/ 0.5 GPT XCIDE, 10 FRESH WATER W/ 0.5 GPT XCIDE, PUMP 520 SKS (149 BBLS) OF 12.5#, 1.61 YIELD W/ 4% BENTONITE, 0.3% VERSASET, 0.5% HR-5 OF LEAD CEMENT, 1350 SKS (353 BBLS) OF 13.5#, 1.47 YIELD W/ 0.125 LBM POLY-E-FLAKE OF TAIL CEMENT, DISPLACED W/ 146 BBLS OF FRESH WATER W/ .5 GPT MYACIDE, DISPLACED @ 8 BBLS MIN., SLOWED TO 3 BBLS MIN W/ 136BBLS GONE, FCP 2598#, BUMPED PLUG & PRESSURED UP TO 3628#, BLEED OFF & CHECK FLOAT, FLOATS HELD. FULL RETURNS THROUGH OUT JOB.  00:30 01:30 1.0 0 PRESSURE BACK UP ON CASING TO 1000# & HOLD FOR 1 HR.	11:30	18:30	7	.0	0	0	JOINTS 11.6#, P-CASING, PUP JO PRICE RIVER, 65 3 TURBILIZERS 3RD JOINT THEF TAG JOINT, PICK WENT TO BOTTO  CASING LANDE COMPONENTS U FLOAT SHOE (BO FLOAT COLLAR MARKER JOINT	110, LT&C INT ON TO JITS, CAS (5' ABOVE REAFTER UP MAN OM W/ NO D AS FOLI UNLESS O OTTOM): 9 : 9434'	C) AS FOLLOWS OP OF FLOAT C ING, MARKER E SHOE AND M TO 400' ABOVE DREL & LAND D HOLE PROBLE LOWS (DEPTHS	S: FLOAT COLLAR ' JOINT, @ IDDLE O E WASAT CASING EMS.	SHOE, 1 J' TO SPACE 400' ABO F JTS #2 & CH (TOTAL W/ 82K ST	CASING, FLOUT, MARKE VE WASATCH #3) + 1 BOW 0 COF 40) TAG I	OAT COLLAR R JOINT, @ To I, 102 JTS CAS CENTRALIZE BOTTOM , LA	e, 55 JTS OF OP OF SING. RAN R EVERY Y DOWN
W/ 0.5 GPT XCIDE, PUMP 520 SKS (149 BBLS) OF 12.5#, 1.61 YIELD W/ 4% BENTONITE, 0.3% VERSASET, 0.5% HR-5 OF LEAD CEMENT, 1350 SKS (353 BBLS) OF 13.5#, 1.47 YIELD W/ 0.125 LBM POLY-E-FLAKE OF TAIL CEMENT, DISPLACED W/ 146 BBLS OF FRESH WATER W/ .5 GPT MYACIDE, DISPLACED @ 8 BBLS MIN., SLOWED TO 3 BBLS MIN W/ 136BBLS GONE, FCP 2598#, BUMPED PLUG & PRESSURED UP TO 3628#, BLEED OFF & CHECK FLOAT, FLOATS HELD. FULL RETURNS THROUGH OUT JOB.  00:30 01:30 1.0 0 PRESSURE BACK UP ON CASING TO 1000# & HOLD FOR 1 HR.							UP.							
	21:30	00:30	3	.0	0	0	W/ 0.5 GPT XCID VERSASET, 0.5% LBM POLY-E-FI MYACIDE, DISPI BUMPED PLUG	DE, PUMP : HR-5 OF LAKE OF LACED @ PRESSU	520 SKS (149 BI LEAD CEMEN FAIL CEMENT, 8 BBLS MIN., S FRED UP TO 362	BLS) OF 1 T, 1350 S DISPLAC LOWED	12.5#, 1.61 Y KS (353 BB CED W/ 146 TO 3 BBLS	YIELD W/ 4% (LS) OF 13.5#, 5 BBLS OF FR 5 MIN W/ 136E	BENTONITE, 1.47 YIELD W ESH WATER V BBLS GONE, F	0.3% 7/ 0.125 V/ .5 GPT FCP 2598#,
01:30 $03:00$ $1.5$ $0$ REMOVE LANDING JT. SET & TEST PACK OFF TO 5000# FOR 15 MIN.	00:30	01:30	1	.0	0	0	PRESSURE BACK	K UP ON C	CASING TO 100	0# & HOI	LD FOR 1 H	IR.		
	01:30	03:00	1	.5	0	0	REMOVE LANDI	NG JT. SE	T & TEST PACE	COFF TO	5000# FOI	R 15 MIN.		

Sundry Number: 23775 API Well Number: 43047517390000

Well Name: CWU 1546–26D Field: CHAPITA DEEP Property: 066348

03:00 04:00 1.0 0 NIPPLE DOWN & CLEAN MUD PITS.

NO INCIDENT NO ACCIDENT

FULL CREWS

COM CHECK TRIPPING

SAFETY MEETING, RUNNING CASING, CEMENTING

FUEL 8550 GALS, USED 1254 GALS.

TRANSFERED 8550 GALS OF FUEL TO THE CWU 1545–26D

 $0 \hspace{0.2in} 0 \hspace{0.2in} \text{RIG RELEASED @ 04:00 HRS, 2/20/12.} \\$ 

CASING POINT COST \$748,609

Sundry Number: 25067 API Well Number: 43047517390000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURC DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	posals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.	deepen existing wells below ntal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1546-26D
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047517390000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	N , Denver, CO, 80202	<b>PHONE NUMBER:</b> 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0445 FNL 0531 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NENE Section: 2	HIP, RANGE, MERIDIAN: 26 Township: 09.0S Range: 22.0E Merid	ian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
· ·	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
✓ DRILLING REPORT	TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL
Report Date: 4/25/2012	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
	as occurred since last subm	•	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 09, 2012
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMB</b> 435 781-9145	ER TITLE Operations Clerk	
SIGNATURE		DATE	
l N/A		4/25/2012	

Sundry Number: 25909 API Well Number: 43047517390000

	STATE OF UTAH			FORM 9		
ι	DEPARTMENT OF NATURAL RESOU DIVISION OF OIL, GAS, AND M		<b>i</b>	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A		
SUNDR	Y NOTICES AND REPORTS	S ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	posals to drill new wells, significant reenter plugged wells, or to drill hori n for such proposals.			7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS		
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: CWU 1546-26D		
2. NAME OF OPERATOR: EOG Resources, Inc.			<b>9. API NUMBER:</b> 43047517390000			
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	N , Denver, CO, 80202		NE NUMBER: 35 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0445 FNL 0531 FEL				COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH	<b>HP, RANGE, MERIDIAN:</b> 16 Township: 09.0S Range: 22.0E Me	ridian: \$	S	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA		
TYPE OF SUBMISSION			TYPE OF ACTION			
	ACIDIZE		ALTER CASING	CASING REPAIR		
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME		
Approximate date work will start:	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		RACTURE TREAT	NEW CONSTRUCTION		
Date of Work Completion:						
	OPERATOR CHANGE		PLUG AND ABANDON RECLAMATION OF WELL SITE	☐ PLUG BACK		
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME			☐ RECOMPLETE DIFFERENT FORMATION		
	REPERFORATE CURRENT FORMATION SIDETRACK		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
✓ DRILLING REPORT	TUBING REPAIR	∐ v	ENT OR FLARE	WATER DISPOSAL		
Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION		
5/21/2012	WILDCAT WELL DETERMINATION		OTHER	OTHER:		
Completion operation	COMPLETED OPERATIONS. Clearly sho ons for the referenced well see the attached well chror	bega	an on 5-9-12. Please			
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUM</b> 435 781-9145	MBER	TITLE Operations Clerk			
SIGNATURE N/A			<b>DATE</b> 5/21/2012			

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49.9 BPM. ISIP 2874 PSIG. RD HALLIBURTON.

HALLIBURTON. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 922 GAL 16# LINEAR PAD, 7477 GAL 16# LINEAR W/9600# 20/40 SAND @ 1–1.5 PPG, 17858 GAL 16# DELTA 200 W/58800# 20/40 SAND @ 2–5 PPG. MTP 5840 PSIG. MTR 51 BPM. ATP 5239 PSIG. ATR

Sundry Number: 25909 API Well Number: 43047517390000

Well Name: CWU 1546–26D Field: CHAPITA DEEP Property: 066348

STAGE 2. RUWL. SET 6K CFP AT 8930'. PERFORATE LPR FROM 8909'-8910',8895'-8896', 8886'-8887',8876'-8877',(8856-57'MISFIRED),8848'-8849',8831'-32',8812'-13',8802'-03', 8790'-8791',8764'-65',8756'-57'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER . PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT). 775 GAL 16# LINEAR PAD, 7458 GAL 16# LINEAR W/9600# 20/40 SAND @ 1-1.5 PPG, 33374 GAL 16# DELTA 200 W/113800# 20/40 SAND @ 2-5 PPG. MTP 6236 PSIG. MTR 50.2 BPM. ATP 5236 PSIG. ATR 46.2 BPM. ISIP 3105 PSIG. RD HALLIBURTON.

STAGE 3. RUWL. SET 6K CFP AT 8734'. PERFORATE MPR FROM 8711'-12', 8700'-01', 8691'-92', 8677'-78',8659'-60', 8647'-48', 8635'-36', 8629'-30', 8589'-90', 8561'-62', 8539'-40', 8534'-35' @ 3 SPF & 120 DEGREE PHASING. RDWL. . RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER . PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 745 GAL 16# LINEAR PAD, 3232 GAL 16# LINEAR W/3200# 20/40 SAND @ 1 PPG, 42551 GAL 16# DELTA 200 W/118400# 20/40 SAND @ 1.5-5 PPG. MTP 6375 PSIG. MTR 44.8 BPM. ATP 5966 PSIG. ATR 23.7 BPM. ISIP 3739 PSIG. RD HALLIBURTON.

STAGE 4. RUWL. SET 6K CFP AT 8510'. PERFORATE MPR FROM 8489'-90', 8465'-66', 8450'-51', 8424'-25', 8406'-07', 8393'-94', 8372'-73', 8362'-63', 8321'-22', 8308'-09', 8286'-87', 8277'-78' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 895 GAL 16# LINEAR PAD, 7407 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 51300 GAL 16# DELTA 200 W/177800# 20/40 SAND @ 2-5 PPG. MTP 6452 PSIG. MTR 50.3 BPM. ATP 5322 PSIG. ATR 47.5 BPM. ISIP 3397 PSIG. RD HALLIBURTON. SWIFN.

05-11-2012	Re	eported E	By N	MCCURDY							
DailyCosts: I	Orilling	\$0	)	Con	pletion	\$333		Daily	Total	\$333	
Cum Costs: I	Orilling	\$7	778,943	Con	pletion	\$189,353		Well '	Total	\$968,297	
MD	9,443	TVD	9,350	Progress	0	Days	13	MW	0.0	Visc	0.0
Formation:	MESAVE	RDE	PBTD:	9330.0		<b>Perf</b> : 7327–9	9166		PKR De <sub>l</sub>	oth: 0.0	

Activity at Report Time: FRAC STAGE 9 RIH W/CBP RDMO WIRELINE AND HALLIBURTON

Start	End	Hrs	From	То	Activity Description
06:00	06:00	24.0	) C	)	0 STAGE 5. INTIAL PRESSURE 1686 PSIG. RUWL. SET 6K CFP AT 8230'. PERFORATE MPR FROM 8206'-07', 8196'-97', (8177'-78'MISFIRED), 8160'-61', 8151'-52', 8137'-38', 8127'-28', 8117'-18', 8092'-93', 8081'-82', 8068'-69', 8057'-58'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 541 GAL 16# LINEAR PAD, 7411 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 44113 GAL 16# DELTA 200 W/146500# 20/40 SAND @ 2-5 PPG. MTP 5803 PSIG. MTR 50.3 BPM. ATP 3862 PSIG. ATR 46.7 BPM. ISIP 2470 PSIG. RD HALLIBURTON.

STAGE 6. RUWL. SET 6K CFP AT 8010'. PERFORATE UPR/MPR FROM 7987'–88', 7978'–79', 7966'–67', 7928'–29', 7916'–17', 7889'–90', 7864'–65', 7858'–59', 7839'–40', 7830'–31', 7820'–21', 7809'–10'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER . PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 669 GAL 16# LINEAR PAD, 7424 GAL 16# LINEAR W/9500# 20/40 SAND @ 1–1.5 PPG, 31207 GAL 16# DELTA 200 W/105500# 20/40 SAND @ 2–5 PPG. MTP 6081 PSIG. MTR 50.2 BPM. ATP 5019 PSIG. ATR 46.6 BPM. ISIP 2251 PSIG. RD HALLIBURTON.

STAGE 7. RUWL. SET 6K CFP AT 7796'. PERFORATE UPR FROM 7781'-82', 7764'-65', 7733'-34', 7721'-22', 7710'-11', 7673'-74', 7663'-64', 7605'-06', 7589'-90', 7570'-71', 7558'-59', 7547'-48'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 660 GAL 16# LINEAR PAD, 7439 GAL 16# LINEAR W/9600# 20/40 SAND @ 1-1.5 PPG, 38479 GAL 16# DELTA 200 W/130300# 20/40 SAND @ 2-5 PPG. MTP 6240 PSIG. MTR 50.3 BPM. ATP 5104 PSIG. ATR 43.3 BPM. ISIP 2475 PSIG. RD HALLIBURTON.

STAGE 8. RUWL. SET 6K CFP AT 7500'. PERFORATE UPR FROM 7477'-78', 7466'-67', 7449'-50', 7430'-31', 7417'-18', 7410'-11', 7399'-7400', 7390'-91', 7378'-79', 7355'-56', 7345'-46', 7327'-28'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 517 GAL 16# LINEAR PAD, 7804 GAL 16# LINEAR W/10,100# 20/40 SAND @ 1-1.5 PPG, 34396 GAL 16# DELTA 200 W/117400# 20/40 SAND @ 2-5 PPG. MTP 6060 PSIG. MTR 50.4 BPM. ATP 4350 PSIG. ATR 50 BPM. ISIP 2073 PSIG. RD HALLIBURTON. SWIFN.

05-12-2012	Repor	ted By	MCCURDY							
DailyCosts: Dri	lling	\$0	Con	mpletion	\$374,854		Daily	Total	\$374,854	
Cum Costs: Dr	illing	\$778,943	Cor	mpletion	\$564,208		Well 7	Total	\$1,343,151	
<b>MD</b> 9.	,443 <b>TV</b>	<b>VD</b> 9,3	50 Progress	0	Days	14	MW	0.0	Visc	0.0
Formation : MI	ESAVERDE	E PBTI	<b>)</b> : 9330.0		<b>Perf</b> : 7068–9	166		PKR Der	oth: 0.0	

Activity at Report Time: PREP TO MIRUSU FOR POST FRAC CLEAN OUT

**Activity Description** 

From To

Start

05-17-2012

DailyCosts: Drilling

Reported By

End

Hrc

Start	Liiu	1113	riom	10	Activity Description
06:00	06:00	24.0	0		0 STAGE 9. SICP 0 PSIG. RUWL. SET 6K CFP AT 7264'. PERFORATE UPR FROM 7242'-43', 7228'-29',
					7181'-82', 7169'-70', 7153'-54', 7143'-44', 7133'-34', 7112'-13', 7103'-04', 7083'-84, 7073'-74',
					7068'-69' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO
					EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER . PUMP 110 GAL OF NALCO 6106, PLUS 5
					BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT),
					872 GAL 16# LINEAR PAD, 7445 GAL 16# LINEAR W/9600# 20/40 SAND @ 1–1.5 PPG, 19614 GAL
					16# DELTA 200 W/65800# 20/40 SAND @ 2–5 PPG. MTP 6222 PSIG. MTR 50.2 BPM. ATP 4901 PSIG.
					ATR 48.1 BPM, ISIP 2163 PSIG, RD HALLIBURTON.

NOTE; NO PRESSURE PRIOR TO PERFORATING. IT TOOK 6 BBLS TO CATCH PRESSURE PRIOR TO JOB.

RUWL. SET 6K CBP AT 7022'. BLED WELL TO 0 PSIG. RDMO CUTTERS WIRELINE & HALLIBURTON SERVICES. SDFN.

05-16-2	2012	Repor	rted By	BA	ASTIAN / BAUS	SCH						
DailyCo	sts: Drill	ing	\$0		Con	pletion	\$79,062		Daily	Total	\$79,062	
Cum Co	sts: Drill	ing	\$778,	943	Con	pletion	\$643,270		Well 7	Total	\$1,422,213	
MD	9,44	13 <b>T</b>	VD	9,350	Progress	0	Days	15	MW	0.0	Visc	0.0
Formati	ion: MES	AVERDI	Ξ	<b>PBTD</b> : 93	330.0		<b>Perf</b> : 7068–9	166		PKR De	<b>pth:</b> 0.0	
Activity	at Repor	t Time:	POST FF	RAC CLEAN	OUT							
Start	End	Hrs	From	To Ac	ctivity Descrip	otion						
06:00	06:00	24.0	0 0	PU	MP OFF BIT S	UB TO 70	FRAC TREE. NV 22'. TEST PIPE ' ', 8010', 8230', 8	RAMS T	O 1700 PSIG.	DRILL OUT		

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\$4,980

Completion

BASTIAN / BAUSCH

\$4,980

**Daily Total** 

Sundry Number: 25909 API Well Number: 43047517390000

Well Name: CWU 1546–26D Field: CHAPITA DEEP Property: 066348

\$778,943 \$648,250 Well Total \$1,427,193 **Cum Costs: Drilling** Completion MD 9,443 TVD 9,350 **Progress** 0 Days 16 MW0.0 Visc 0.0 **PBTD**: 9330.0 **Perf:** 7068–9166 PKR Depth: 0.0 **Formation:** MESAVERDE **Activity at Report Time:** SI – WO SALES Start End **Activity Description** Hrs From To 06:00 06:00 24.0 0 0 CLEAN OUT TO 9256'. POH, LD EXCESS TBG. LANDED TBG @ 7755' KB. ND BOP. NU WH. PUMPED OFF BIT SUB. RDMOSU. TUBING DETAIL LENGTH PUMP OFF SUB 1.00' 1 JT 2-3/8 4.7# L-80 TBG 32.65' XN NIPPLE 1.30' @ 7721' 236 JTS 2-3/8 4.7# L-80 TBG 7701.51' BELOW KB 19.00'

LANDED @ 7755.46' KB

Sundry Number: 25986 API Well Number: 43047517390000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A
SUNDF	RY NOTICES AND REPORTS (	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly of reenter plugged wells, or to drill horizor n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1546-26D
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047517390000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	0 N , Denver, CO, 80202	PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0445 FNL 0531 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	<b>HIP, RANGE, MERIDIAN:</b> 26 Township: 09.0S Range: 22.0E Meridi	an: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
5/21/2012	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:			
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
DRILLING REPORT	L TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
The referenced well attached operat operat	COMPLETED OPERATIONS. Clearly show a l was turned to sales on 05/2 tions summary report for dril ations performed on the subject of the subje	1/2012. Please see the ling and completion ect well.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 23, 2012
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMB!</b> 435 781-9145	Coperations Clerk	
SIGNATURE N/A		<b>DATE</b> 5/23/2012	

Sundry Number: 25986 API Well Number: 43047517390000

WELL CHRONOLOGY
REPORT

Report Generated On: 05-23-2012

Well Name	CWU 1546-26D	Well Type	DEVG	Division	DENVER
Field	CHAPITA DEEP	API#	43-047-51739	Well Class	1SA
County, State	UINTAH, UT	Spud Date	02-11-2012	Class Date	05-21-2012
Tax Credit	N	TVD / MD	9,350/ 9,441	Property #	066348
Water Depth	0	Last CSG	2.375	Shoe TVD / MD	7,755/7,755
KB / GL Elev	5,034/ 5,015				
Location	Section 26, T9S, R22E, NENE	E, 445 FNL & 531 FEI			

Event No	1.0	Desc	ription <sup>1</sup>	DRILL & COMPLETE			
Operator	EOG RESOURC	CES, INC WI %	<b>⁄</b> <sub>0</sub> 1	100.0	NRI %	82.139	
AFE No	310500	AFI	E Total	1,598,300	DHC / CV	VC 751	,800/ 846,500
Rig Contr	TRUE	Rig Name	TRUE #34	Start Date	01-03-2012	Release Date	02-20-2012
Rig Contr	TRUE	Rig Name	TRUE #34	Start Date	02-10-2012	Release Date	02-20-2012
Rig Contr	POWELL SER. INC	Rig Name	RIG 1	Start Date	05-16-2012	Release Date	05-16-2012
12-01-2011	Reported By	SHARON	N CAUDILL				
DailyCosts: Dri	alling \$0		Completion	<b>n</b> \$0	Daily '	Total \$0	
Cum Costs: Dri	illing \$0		Completion	<b>n</b> \$0	Well T	Cotal \$0	
MD	0 <b>TVD</b>	0 Pro	gress 0	Days	0 <b>MW</b>	0.0 <b>Vis</b>	<b>c</b> 0.0
Formation:		<b>PBTD</b> : 0.0		Perf:		PKR Depth:	0.0

rorman				1 1) 1	<b>D</b> • 0.0	1 (11 .	i KK Depth . 0.0
Activity	at Repor	t Time:	LOCAT	ION D	ATA		
Start	End	Hrs	From	To	Activity Descripti	ion	
06:00	06:00	24.0	0 (	)	0 LOCATION DATA		
					SHL: 445' FNL & 53	31' FEL (NE/NE)	
					SECTION 26, T9S, I	R22E	
					UINTAH COUNTY,	UTAH	
					LAT 40 DEG 00' 46.	.86", LONG 109 DEG 23' 58.74	" (NAD 83)
					LAT 40 DEG 00' 46.	.98", LONG 109 DEG 23' 56.28	" (NAD 27)
					BHL: 639 FNL & 12	255' FEL (NENE)	
					SECTION 26, T9S, I	R22E	
					UINTAH COUNTY,	UTAH	
					TRUE #34		
					OBJECTIVE: 9441'	MD, 9350' TVD, MESAVERDI	E
					DW/GAS		
					CHAPITA WELLS I	DEEP PROSPECT	
					DD&A: CHAPITA	DEEP	
					NATURAL BUTTES	S FIELD	

RECEIVED: May. 23, 2012

#### LEASE: FEDERAL UTU0285A

ELEVATION: 5015.5' NAT GL, 5015.3' PREP GL (DUE TO ROUNDING PREP GL IS 5015'), 5034' KB (19') MULTI PAD CWU 1541–26D, CWU 1542–26DX, CWU 1543–26D, CWU 1544–26D, CWU 1545–26D, CWU 1546–26D

#### EOG WI 100%, NRI 82.139316%

12-19-2011 Reported	d <b>By</b> ROBERT WILKI	NS						
DailyCosts: Drilling	\$0 Con	mpletion	\$0		Daily Tota	l	\$0	
<b>Cum Costs: Drilling</b>	\$0 <b>Co</b>	mpletion	\$0		Well Total		\$0	
<b>MD</b> 0 <b>TVD</b>	0 Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:	<b>PBTD</b> : 0.0		Perf:		PK	R Dept	<b>h</b> : 0.0	
Activity at Report Time: LC	OCATION BUILD							
Start End Hrs F	From To Activity Descri	iption						
06:00 06:00 24.0	0 0 LOCATION BUIL	LD STARTE	D 12/16/11. I	PUSHING OF	N LOCATION (55	% COMI	PLETE).	
12-20-2011 Reported	d <b>By</b> ROBERT WILKI	NS/GERALI	O ASHCRAF	Т				
DailyCosts: Drilling	\$54,450 <b>Con</b>	mpletion	\$0		Daily Tota	1	\$54,450	
<b>Cum Costs: Drilling</b>	\$54,450 <b>Con</b>	mpletion	\$0		Well Total		\$54,450	
<b>MD</b> 60 <b>TVD</b>	60 Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:	<b>PBTD:</b> 0.0		Perf:		PK	R Dept	<b>h</b> : 0.0	
Activity at Report Time: LC	OCATION BUILD/SPUD NOTIFIC	CATION						
Start End Hrs F	From To Activity Descri	iption						
06:00 06:00 24.0	0 0 LOCATION IS 75	5% COMPLI	ETE.					
06:00 06:00 24.0	0 60 CRAIG'S BUCK CEMENT TO SU				/11 @ 03:00 PM, S	SET 60' (	OF 14" COND	UCTOR.
	BLM WAS NOTI	FIED BY EN	MAIL OF SP	UD ON 12/16	/11 @ 11:51 AM.			
12-21-2011 Reported	d By ROBERT WILKI	NS						
DailyCosts: Drilling	\$0 <b>Co</b>	mpletion	\$0		Daily Tota	1	\$0	
<b>Cum Costs: Drilling</b>	\$54,450 <b>Con</b>	mpletion	\$0		Well Total		\$54,450	
<b>MD</b> 60 <b>TVD</b>	60 Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:	<b>PBTD</b> : 0.0		Perf:		PK	R Dept	<b>h</b> : 0.0	
Activity at Report Time: LC	OCATION BUILD							
Start End Hrs F	From To Activity Descri	iption						
06:00 06:00 24.0	0 0 LOCATION IS 80	0% COMPLI	ETE.					
12-22-2011 Reported	d <b>By</b> ROBERT WILKI	NS						

Page 2

\$0

\$0

Days

Perf:

0

Completion

Completion

**Progress** 

DailyCosts: Drilling

**Cum Costs: Drilling** 

60

MD

**Formation:** 

\$0

TVD

Activity at Report Time: LOCATION BUILD

\$54,450

60

**PBTD**: 0.0

\$0

\$54,450

Visc

0.0

**Daily Total** 

**Well Total** 

0.0

PKR Depth: 0.0

MW

12-23-2011	Reported B	By F	ROBERT WILKIN	NS						
DailyCosts: Dri	lling \$0	)	Con	pletion	\$0		Daily '	<b>Total</b>	\$0	
Cum Costs: Dri	f <b>ling</b> \$5	54,450	Con	pletion	\$0		Well T	otal	\$54,450	
MD	<b>TVD</b>	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :		PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Repo	rt Time: LOCA	ATION BUILE	)							
Start End	Hrs From	m To A	Activity Descrip	otion						
06:00 06:00	24.0	0 0 I	LOCATION IS 85	% COMPI	ETE. HAULIN	NG CLOSE	D LOOP MAT	ERIAL.		
12-26-2011	Reported B	y F	ROBERT WILKIN	NS						
DailyCosts: Dri	lling \$0	)	Con	pletion	\$0		Daily '	<b>Total</b>	\$0	
Cum Costs: Dri	lling \$5	54,450	Con	pletion	\$0		Well T	otal	\$54,450	
MD	<b>TVD</b>	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :		PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Repo	rt Time: LOCA	ATION BUILE	)							
Start End	Hrs From	m To A	Activity Descrip	otion						
06:00 06:00	24.0	0 0 1	LOCATION IS 90	% COMPI	ETE. HAULIN	NG CLOSE	D LOOP MAT	ERIAL.		
12-27-2011	Reported B	y F	ROBERT WILKIN	NS						
DailyCosts: Dri	lling \$0	)	Con	pletion	\$0		Daily '	Total	\$0	
Cum Costs: Dri	lling \$5	54,450	Con	pletion	\$0		Well T	otal	\$54,450	
MD	<b>TVD</b>	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :		PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Repo	rt Time: LOCA	ATION BUILE	)							
Start End	Hrs From	m To A	Activity Descrip	otion						
06:00 06:00	24.0	0 0 V	WAITING ON AII	R RIG, HA	ULING MATE	ERIAL FOR	CLOSED LO	OP.		
12-28-2011	Reported B	y F	ROBERT WILKIN	NS						
DailyCosts: Dri	lling \$0	)	Con	pletion	\$0		Daily '	Total	\$0	
Cum Costs: Dri	lling \$5	54,450	Con	pletion	\$0		Well T	otal	\$54,450	
MD	<b>TVD</b>	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :		PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Repo	rt Time: LOCA	ATION BUILE	)							
Start End	Hrs From	m To A	Activity Descrip	otion						
06:00 06:00	24.0	0 0 1	LOCATION IS 10	0%. FINIS	H UP CLOSEI	D LOOP TO	DDAY.			
12-31-2011	Reported B	y I	KYLAN COOK							
DailyCosts: Dri	ling \$3	33,819	Con	pletion	\$0		Daily '	<b>Total</b>	\$33,819	
Cum Costs: Dri	lling \$8	38,269	Con	pletion	\$0		Well T	otal	\$88,269	
			_	245	D	0	N/1337	0.0	<b>▼</b> 72 ~ ~	0.0
MD 5	36 <b>TVD</b>	536	Progress	217	Days	0	$\mathbf{M}\mathbf{W}$	0.0	Visc	0.0

Start	End	Hrs	From	To	Activity De	scription						
06:00	16:00	10.0	0		0 MIRU.							
16:00	17:00	1.0	0		0 RIG ON DAY	Y WORK @ 16:0	00 PM ON 12	2/30/2011.				
					TALLY BHA							
					WELL PRED	RILLED FROM	I 79' TO 319	KOP.				
					THIS WELL	PLANNED AZ	MUTH 255.0	02*, INC 17.	00*.			
					MUD MOTO	R 1.75 DEGRE	E BEND, RP	G .16, BIT T	O BEND 7.0	4', BIT TO M	IWD 59'.	
17:00	20:00	3.0	0		0 MWD NOT	COMMUNICAT	ING WITH (	COMPUTER				
20:00	00:30	4.5	0		0 PICK UP BH	IA AND ORIEN	Γ MWD. TR	IP IN HOLE	TO 319' KO	Р.		
00:30	06:00	5.5	319	53	6 DRILL ROTA	ATE AND SLID	E FROM 319	'TO 536'. 21	17'. ROP 39.5	5' FPH.		
						TE 8–10K, WOE SI 400, DIFF PSI					83. PUMP STR0 9%. TFO 258.	OKES 136,
					ALL SURVE	YS AND DEPT	HS ADJUST	ED TO TRUI	E #34 RKB=1	19'		
					NO ACCIDE	NTS REPORTE	D.					
					SAFTEY ME	EETINGS: RIGO	ING UP AN	D TRIPPING	DIRECTIO	NAL TOOLS		
					FUEL USED	625 GALLONS						
01-01-2	2012	Repor	ted By		KYLAN CO	OK						
DailyCo	sts: Drilli	ng	\$29,0	29		Completion	\$0		Daily	<b>Total</b>	\$29,029	
Cum Co	sts: Drilli	ing	\$117,	298		Completion	\$0		Well	Total	\$117,298	
MD	1,54	6 <b>T</b> V	/ <b>D</b>	1,5	25 <b>Progres</b>	ss 1,010	Days	0	MW	0.0	Visc	0.0
Formati	ion :			PBT	<b>D</b> : 0.0		Perf :			PKR De	<b>pth</b> : 0.0	
Activity	at Repor	t Time:	DRILLIN									
-	_											
Start	End	Hrs	From	To	Activity De	scription						
<b>Start</b> 06:00	End 18:00	Hrs 12.0			Activity De	scription ATE AND SLID	E FROM 536	'TO 1169'. (	533'. ROP 52	.7' FPH.		
					9 DRILL ROTA WOB ROTA	ATE AND SLID TE 12K, WOB S	LIDE 12K. R	OTARY RPI	M 45, MOTO	R RPM 85. P	UMP STROKES	
			536	110	WOB ROTAL 532. PSI 100	ATE AND SLID TE 12K, WOB S	LIDE 12K. R 70' HIGH A	OTARY RPI ND 14' RIG	M 45, MOTO HT OF LINE	R RPM 85. P . ROTATE 86		
06:00	18:00	12.0	536	110	WOB ROTAL 532. PSI 1000 66 DRILL ROTAL WOB ROTAL	ATE AND SLID TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLID TE 10K, WOB S	LIDE 12K. R 70' HIGH A E FROM 116 LIDE 12K. R	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM	M 45, MOTO HT OF LINE 377'. ROP 3 M 45, MOTO	R RPM 85. P . ROTATE 86 1.4' FPH. R RPM 85. P		TFO 180G.
06:00	18:00	12.0	536	110	9 DRILL ROTA WOB ROTA 532. PSI 100 6 DRILL ROTA WOB ROTA 532. PSI 900	ATE AND SLID TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLID TE 10K, WOB S	LIDE 12K. R 70' HIGH A E FROM 116 LIDE 12K. R 80' HIGH AN	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT	M 45, MOTO HT OF LINE 377'. ROP 3 M 45, MOTO T OF LINE. R	R RPM 85. P . ROTATE 86 1.4' FPH. R RPM 85. P COTATE 60%	5% SLIDE 14%. UMP STROKES	TFO 180G.
06:00	18:00	12.0	536	110	WOB ROTAT 532. PSI 100 66 DRILL ROTA WOB ROTAT 532. PSI 900 ALL SURVE	ATE AND SLID TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLID TE 10K, WOB S , DIFF PSI 100.	LIDE 12K. R 70' HIGH A E FROM 116 LIDE 12K. R 80' HIGH AN	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT	M 45, MOTO HT OF LINE 377'. ROP 3 M 45, MOTO T OF LINE. R	R RPM 85. P . ROTATE 86 1.4' FPH. R RPM 85. P COTATE 60%	5% SLIDE 14%. UMP STROKES	TFO 180G.
06:00	18:00	12.0	536	110	WOB ROTAT 532. PSI 100 66 DRILL ROTA WOB ROTAT 532. PSI 900 ALL SURVE NO ACCIDE	ATE AND SLID TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLID TE 10K, WOB S , DIFF PSI 100.	LIDE 12K. R 70' HIGH A E FROM 116 LIDE 12K. R 80' HIGH AN HS ADJUST	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT ED TO TRUI	M 45, MOTO. HT OF LINE 377'. ROP 3 M 45, MOTO. T OF LINE. R E #34 RKB=1	R RPM 85. P . ROTATE 86 1.4' FPH. R RPM 85. P COTATE 60%	5% SLIDE 14%. UMP STROKES	TFO 180G.
06:00	18:00	12.0	536	110	WOB ROTATES S32. PSI 1000  GO DRILL ROTATES S32. PSI 1000  GO DRILL ROTATES S32. PSI 9000  ALL SURVE  NO ACCIDE  SAFTEY ME	ATE AND SLID TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLID TE 10K, WOB S , DIFF PSI 100.	LIDE 12K. R 70' HIGH A E FROM 116 LIDE 12K. R 30' HIGH AN HS ADJUST D.	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT ED TO TRUI	M 45, MOTO. HT OF LINE 377'. ROP 3 M 45, MOTO. T OF LINE. R E #34 RKB=1	R RPM 85. P . ROTATE 86 1.4' FPH. R RPM 85. P COTATE 60%	5% SLIDE 14%. UMP STROKES	TFO 180G.
06:00	18:00	12.0	536	110	WOB ROTATES S32. PSI 1000  GO DRILL ROTATES S32. PSI 1000  GO DRILL ROTATES S32. PSI 9000  ALL SURVE  NO ACCIDE  SAFTEY ME	ATE AND SLIDE TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLIDE TE 10K, WOB S 1, DIFF PSI 100.  TYS AND DEPT NTS REPORTE THE TETTINGS: MAK 1150 GALLON	LIDE 12K. R 70' HIGH A E FROM 116 LIDE 12K. R 30' HIGH AN HS ADJUST D.	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT ED TO TRUI	M 45, MOTO. HT OF LINE 377'. ROP 3 M 45, MOTO. T OF LINE. R E #34 RKB=1	R RPM 85. P . ROTATE 86 1.4' FPH. R RPM 85. P COTATE 60%	5% SLIDE 14%. UMP STROKES	TFO 180G.
06:00 18:00 <b>01-02-2</b>	18:00	12.0 12.0 <b>Repor</b>	536	116	9 DRILL ROTA WOB ROTAT 532. PSI 100 66 DRILL ROTA WOB ROTAT 532. PSI 900 ALL SURVE NO ACCIDE SAFTEY ME FUEL USED	ATE AND SLIDE TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLIDE TE 10K, WOB S 1, DIFF PSI 100.  TYS AND DEPT NTS REPORTE THE TETTINGS: MAK 1150 GALLON	LIDE 12K. R 70' HIGH A E FROM 116 LIDE 12K. R 30' HIGH AN HS ADJUST D.	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT ED TO TRUI	M 45, MOTO HT OF LINE 377'. ROP 3 M 45, MOTO T OF LINE. R E #34 RKB=1	R RPM 85. P . ROTATE 86 1.4' FPH. R RPM 85. P COTATE 60%	5% SLIDE 14%. UMP STROKES	TFO 180G.
06:00 18:00 01-02-2 DailyCo	18:00 06:00	12.0 12.0 Repor	536 1169 ted By	116	WOB ROTAT 532. PSI 100 66 DRILL ROTA WOB ROTAT 532. PSI 900 ALL SURVE NO ACCIDE SAFTEY ME FUEL USED KYLAN COO	ATE AND SLID TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLID TE 10K, WOB S , DIFF PSI 100. TYS AND DEPT NTS REPORTE EETINGS: MAK 1150 GALLON	LIDE 12K. R 70' HIGH A E FROM 116 LIDE 12K. R 80' HIGH AN HS ADJUST D. ING CONNI	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT ED TO TRUI	M 45, MOTO HT OF LINE 377'. ROP 3 M 45, MOTO T OF LINE. R E #34 RKB=1 ND PPE.	R RPM 85. P . ROTATE 86 1.4' FPH. R RPM 85. P COTATE 60%	5% SLIDE 14%. UMP STROKES SLIDE 40%. TI	TFO 180G.
06:00 18:00 01-02-2 DailyCo Cum Co	18:00 06:00 2012 ests: Drilli	12.0 12.0 Reporting	536 1169 ted By \$26,8 \$144,	116 154 89 187	WOB ROTAT 532. PSI 100 66 DRILL ROTA WOB ROTAT 532. PSI 900 ALL SURVE NO ACCIDE SAFTEY ME FUEL USED	ATE AND SLIDE TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLIDE TE 10K, WOB S 10F PSI 100 ATE AND DEPT ATE AND DEPT ATE AND DEPT ATE AND GALLON OK Completion Completion	LIDE 12K. R 70' HIGH A E FROM 116 LIDE 12K. R 80' HIGH AN HS ADJUST D. ING CONNI S.	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT ED TO TRUI	M 45, MOTO HT OF LINE 377'. ROP 3 M 45, MOTO T OF LINE. R E #34 RKB=1 ND PPE.	R RPM 85. P ROTATE 86 1.4' FPH. R RPM 85. P. OTATE 60%	5% SLIDE 14%.  UMP STROKES SLIDE 40%. TI	TFO 180G.
06:00 18:00 01-02-2 DailyCo Cum Co MD	18:00 06:00 2012 osts: Drilli 1,92	12.0 12.0 Reporting	536 1169 ted By \$26,8 \$144,	116 152 89 187	WOB ROTAT 532. PSI 100 66 DRILL ROTA WOB ROTAT 532. PSI 900 ALL SURVE NO ACCIDE SAFTEY ME FUEL USED KYLAN COO	ATE AND SLIDE TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLIDE TE 10K, WOB S 10F PSI 100 ATE AND DEPT ATE AND DEPT ATE AND DEPT ATE AND GALLON OK Completion Completion	LIDE 12K. R 70' HIGH A FROM 116 LIDE 12K. R B0' HIGH A HS ADJUST D LING CONNI S \$0 \$0  Days	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT ED TO TRUI	M 45, MOTO HT OF LINE 377'. ROP 3 M 45, MOTO T OF LINE. R E #34 RKB=1 ND PPE. Daily Well	R RPM 85. P ROTATE 86 1.4' FPH. R RPM 85. P. COTATE 60% 19' 7 Total Total 0.0	\$26,889 \$144,187 <b>Visc</b>	TFO 180G.
06:00 18:00 01-02-2 DailyCo Cum Co MD Formati	18:00 06:00 06:01 2012 osts: Drilli 1,92	Reporting	536 1169 ted By \$26,8 \$144,	116 154 89 187 1,8	WOB ROTAT 532. PSI 100 66 DRILL ROTA WOB ROTAT 532. PSI 900 ALL SURVE NO ACCIDE SAFTEY ME FUEL USED KYLAN COO	ATE AND SLIDE TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLIDE TE 10K, WOB S 10F PSI 100 ATE AND DEPT ATE AND DEPT ATE AND DEPT ATE AND GALLON OK Completion Completion	LIDE 12K. R 70' HIGH A E FROM 116 LIDE 12K. R 80' HIGH AN HS ADJUST D. ING CONNI S.	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT ED TO TRUI	M 45, MOTO HT OF LINE 377'. ROP 3 M 45, MOTO T OF LINE. R E #34 RKB=1 ND PPE. Daily Well	R RPM 85. P . ROTATE 86 1.4' FPH. R RPM 85. P COTATE 60% 19' Total Total	\$26,889 \$144,187 <b>Visc</b>	TFO 180G.
06:00 18:00 01-02-2 DailyCo Cum Co MD Formati	18:00 06:00 2012 osts: Drilli 1,92	Reporting	536 1169 ted By \$26,8 \$144,	116 154 89 187 1,8 <b>PBT</b>	WOB ROTAT 532. PSI 100 66 DRILL ROTA WOB ROTAT 532. PSI 900 ALL SURVE NO ACCIDE SAFTEY ME FUEL USED KYLAN COO  994 Progres 0: 0.0 926	ATE AND SLIDE TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLIDE TE 10K, WOB S 10F PSI 100 TE 10K, WOB S 10F PSI 10O TE 10K, WOB S 10F PSI 10O TE 10K TE 10	LIDE 12K. R 70' HIGH A FROM 116 LIDE 12K. R B0' HIGH A HS ADJUST D LING CONNI S \$0 \$0  Days	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT ED TO TRUI	M 45, MOTO HT OF LINE 377'. ROP 3 M 45, MOTO T OF LINE. R E #34 RKB=1 ND PPE. Daily Well	R RPM 85. P ROTATE 86 1.4' FPH. R RPM 85. P. COTATE 60% 19' 7 Total Total 0.0	\$26,889 \$144,187 <b>Visc</b>	TFO 180G.
06:00  18:00  18:00  O1-02-2  Daily Co  Cum Co  MD  Formati  Activity	18:00 06:00  2012 ests: Drilli 1,92 ion: at Repor	Reporting ing t Time:	536 1169 1169 \$26,8 \$144, 7D  DRILLIN From	116 154 89 187 1,8 PBT: NG @ 1	WOB ROTAT 532. PSI 100 66 DRILL ROTA WOB ROTAT 532. PSI 900 ALL SURVE NO ACCIDE SAFTEY ME FUEL USED KYLAN COO  924 Progres D: 0.0 926' Activity De	ATE AND SLIDE TE 12K, WOB S 0, DIFF PSI 100 ATE AND SLIDE TE 10K, WOB S 10F PSI 100 TE 10K, WOB S 10F PSI 10O TE 10K, WOB S 10F PSI 10O TE 10K TE 10	LIDE 12K. R 70' HIGH A FROM 116 LIDE 12K. R 80' HIGH AN HS ADJUST D. ING CONNI S.  \$0 \$0  Days  Perf:	OTARY RPM ND 14' RIG 9' TO 1546'. OTARY RPM ND 7' RIGHT ED TO TRUI ECTIONS AM	M 45, MOTO HT OF LINE 377'. ROP 3 M 45, MOTO T OF LINE. R E #34 RKB=1 ND PPE.  Daily Well MW	R RPM 85. P ROTATE 86 1.4' FPH. R RPM 85. P. OTATE 60%  7 Total  Total  0.0  PKR De	\$26,889 \$144,187 <b>Visc</b>	TFO 180G.

Sundry Number: 25986 API Well Number: 43047517390000
Well Name: CWU 1546-26D Field: CHAPITA DEEP Property: 066348

09:00	13:00	4.0	0		TRIP OUT OF HO							
08:00	09:00	1.0	0		CIRCULATE TO							
06:00	08:00	2.0	0		TRIP BACK TO I	=	VITH TRI–CO	ONE AND R	EAMER.			
Start	End		From 7		Activity Descri	ption						
		t Time: (			RFACE CASING					- 1	-	
Formati	on:		]	PBTD	Ü		Perf:			PKR De	<b>pth:</b> 0.0	
MD	2,29	0 <b>TV</b>	D	2,238	Progress	0	Days	0	MW	0.0	Visc	0.0
Cum Co	sts: Drilli	ng	\$260,26	51	Cor	npletion	\$0		Well	Total	\$260,261	
DailyCo	sts: Drilli	ng	\$89,185	5	Cor	npletion	\$0		Dail	y Total	\$89,185	
01-04-2	2012	Report	ed By		KYLAN COOK							
					FUEL USED 950	GALLONS	S					
					SAFTEY MEETI	NGS: PPE	AND TRIPPIN	NG OUT OF	HOLE.			
					NO ACCIDENTS			וטאו טו עב	⊔ #34 KKD=	17		
					ALL SURVEYS A	VIU DEDA	нс аршсті	TO TO TO	F #3// DVD_	10'		
04:30	06:00	1.5	0	0	TALLY BHA WI	ГН TRI–СС	ONE AND RE	AMER. TRI	P BACK TO	BOTTOM.		
00:00	04:30	4.5	0	0	TRIP OUT OF H	OLE WITH	DIRECTION	AL TOOLS.				
22:00	00:00	2.0	0	0	CIRCULATE FO							
					WOB ROTATE 1: 532. PSI 1000, DI							
06:00	22:00	16.0	1926	2290	DRILL ROTATE	AND SLID	E FROM 1926	6' TO 2290'.	364'. ROP 2	22.75' FPH.		
Start	End	Hrs	From 7	Го	Activity Descri	ption						
Activity	at Report	t Time: 7	TIH W/BI	Γ & RE.	AMER					•	•	
Formati	· ·			PBTD	- 6		Perf:			PKR De		
MD	2,29	Ü		2,238		364	Days	0	MW	0.0	Visc	0.0
•	sts: Drilli	_	\$171,07			npletion	\$0			Total	\$171,076	
	sts: Drilli	-	\$26,889	9		npletion	\$0		Dail	y Total	\$26,889	
01-03-2	2012	Report	ed Bv		KYLAN COOK	J. 1110111						
					FUEL USED 925			THIES AIM	CLEAN W	OKK STACE	•	
					NO ACCIDENTS SAFTEY MEETI			I INIEC ANI	D CLEAN W	ODE SDACE		
					ALL SURVEYS			ED TO TRUI	E #34 RKB=	19'		
					532. PSI 1000, DI	FF PSI 100	. /' HIGH AN	D 5' RIGHT	OF LINE.	ROTATE 67%	SLIDE 33%. TF	O 50R.
					WOB ROTATE 10							
19:30	06:00	10.5	1736		DRILL ROTATE		E FROM 1736	6' TO 1926'.	190'. ROP	8' FPH.		
19:00	19:30	0.5	0	0	532. PSI 1200, DI WORK ON PUM		. 13 HIGH A	ND / KIGH	II OF LINE.	RUIAIE 60%	6 SLIDE 40%. I	FO 10K.
					WOB ROTATE 14							
16:30	19:00	2.5	1619	1736	DRILL ROTATE	AND SLID	E FROM 1619	9' TO 1736'.	117'. ROP 4	6' FPH.		
16:00	16:30	0.5	0		WORK ON PUM							
15:00	16:00	1.0	1579	1619	DRILL ROTATE	AND SLID	E FROM 1579	9' TO 1619'.				
14:00	15:00	1.0	0	U	WORK ON PUM	1.						

_	Numbe			API Well		43047 APITA DEEP	517390	000	I	Property: 0663	48
13:00	15:00	2.0	0		RUN CASING.	5/0" 26 O#	V 55 CT 0.0	C A GING WITE		IDTON CLUD	E CHOE
15:00	19:30	4.5	0	AND FLOA AND #3 TH	S (2261.70') OF 9 IT COLLAR. 12 C IEN EVERY 5TH / 2280.70' MD.	ENTRALIZI	ERS SPACED	0 10' FROM TH	E SHOE, O	N TOP OF JOI	NTS #2
19:30	20:00	0.5	0	0 RUN 200' C	OF 1" PIPE.						
20:00	21:00	1.0	0	0 RDMO CRA	AIG'S PRESET R	IG. RELEAS	E RIG @ 21:	00 PM ON 01/0	03/12. MOVI	NG TO CWU	1545–26D.
				NO ACCID SAFTEY M	EYS AND DEPT ENTS REPORTE IEETINGS: TRIPI D 200 GALLONS	D. PING OUT O			'ASING.		
01-05-2	2012	Reported	By	KYLAN CO	OOK						
DailyCo	sts: Drillin	g	\$44,549		Completion	\$0		Daily To	otal	\$44,549	
Cum Co								•			
Cum Ct	sts: Drillin	g	\$304,810	)	Completion	\$0		Well Tot	tal	\$304,810	
MD	osts: Drillin 2,290	_	\$304,810	2,238 <b>Progr</b>	•	\$0 Days	0	_	<b>tal</b> 0.0	\$304,810 <b>Visc</b>	0.0
	2,290	_			•		0	Well Tot		Visc	0.0
MD Formati	2,290	TVD	P	2,238 <b>Progre</b>	•	Days	0	Well Tot	0.0	Visc	0.0
MD Formati	2,290 ion : at Report	TVD	P	2,238 Progre BTD: 0.0  Activity D  0 CEMENT J  LINES ANI	ess 0	Days Perf:  LIBURTON COVE TO 3000 F	EMENTERS	Well Tot  MW  1 3. HELD SAFET	0.0 <b>PKR Dept</b> l  FY MEETIN	Visc h: 0.0 G. PRESSUR	E TESTED
MD Formati Activity Start	2,290 ion: at Report	TVD Fime: WC	PIORT Tom To	2,238 Progre BTD: 0.0  Activity D  O CEMENT J LINES ANI WATER FL  LEAD: MIX VERSASET OF 4.1 CF/S CACL2 MIX 171 BBLS I SHUT-IN O	ess 0  escription  OB: MIRU HALI  O CEMENT VALV	Days Perf:  LIBURTON COVE TO 3000 FOR CEMENT.  ED 250 SACION, AND 2% ED AND PUMIENT @ 15.6 FOR BUMPED PL BROKE CIR	CEMENTERS PSIG. PUMPI  KS (183 BBL CONOLITE. PED 300 SAC  PPG WITH YI UG WITH 90 CULATION	Well Tot MW  S. HELD SAFET ED 150 BBLS F  S) OF PREMIU MIXED LEAD CKS (63 BBLS) IELD OF 1.2 CF 100# @ 05:25 AM 150 BBLS INTO	0.0  PKR Deptl  TY MEETIN  FRESH WAT  OF PREMIT  OF PREMIT  F/SX. DISPL  M ON 01/04/ O FRESH W.	Visc h: 0.0 G. PRESSURI ER & 20 BBL  EMENT WITH  10.5 PPG W UM CEMENT ACED CEME 12. FLOAT HE	E TESTED S GELLED H 0.3% ITH YIELD WITH 2% ENT WITH ELD.
MD Formati Activity Start	2,290 ion: at Report	TVD Fime: WC	PIORT Tom To	2,238 Progre BTD: 0.0  Activity D  O CEMENT J LINES ANI WATER FL  LEAD: MID VERSASET OF 4.1 CF/S CACL2 MID 171 BBLS H SHUT-IN G RETURNS  TOP JOB # CEMENT V	Pess 0  Description  OB: MIRU HALI  D CEMENT VALV  USH AHEAD OF  KED AND PUMP  F, 2% CAL-SEAL  SX. TAIL: MIXEI  XED TAIL CEME  FRESH WATER. I  CASING VALVE.	Days Perf:  LIBURTON COVE TO 3000 FOR CEMENT.  ED 250 SACIONAL, AND 2% END AND PUMIENT @ 15.6 FOR ED SHOWN FOR ED SHACEM  200' OF 1" POR MIXED CEMENT @ 15.0 FOR ED SHACEM  200' OF 1" POR ED SHACEM  200' OF 1" POR ED SHACEM	CEMENTERS PSIG. PUMPI  KS (183 BBL CONOLITE. PED 300 SAC PG WITH YI UG WITH 90 CULATION MENT. NO CI  IPE. MIXED MENT @ 15	Well Tot MW  S. HELD SAFET ED 150 BBLS F  S) OF PREMIU MIXED LEAD CKS (63 BBLS) IELD OF 1.2 CF 100# @ 05:25 AM 150 BBLS INTO EMENT TO SUI  & PUMPED 10	0.0  PKR Deptl  TY MEETIN  FRESH WAT!  UM LEAD C!  CEMENT (6  OF PREMIT  F/SX. DISPL  M ON 01/04/  O FRESH WAT!	Visc h: 0.0 G. PRESSUR: ER & 20 BBL  EMENT WITH  10.5 PPG W  UM CEMENT  ACED CEME 12. FLOAT HI  ATER FLUSH  OC 2 HR.  BLS) OF PREI	E TESTED S GELLED H 0.3% ITH YIELD WITH 2% ENT WITH ELD. I, LOST

					KYLAN COOK N 01/02/12 @ 06:30 THE SURFACE C	AM. KYL	AN COOK NO	TIFIED CA	AROL DANIEI	LS WITH U		
02-11-	2012	Rep	orted By		BILL SNAPP							
DailyCo	osts: Drill	ing	\$64,6	513	Con	pletion	\$0		Daily '	Total	\$64,613	
Cum C	osts: Drill	ing	\$369	,424	Con	pletion	\$0		Well T	otal	\$369,424	
MD	2,29	90	TVD	2,238	Progress	0	Days	0	MW	9.2	Visc	31.0
Format	ion :			PBTD:	0.0		Perf:			PKR Dep	<b>pth:</b> 0.0	
Activity	at Repor	t Tim	e: TESTIN	G BOPE								
Start	End	Hrs	From	To	Activity Descrip	ption						

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Sundry Number: 25986 API Well Number: 43047517390000

Well Name: CWU 1546–26D Field: CHAPITA DEEP Property: 066348

10:30	14:00	3.5	0	0 RIG DOWN & SKID 50' FROM CWU 1542–26DTO CWU 1546–26D. WHILE SKIDDING RIG, SET OUT BACK YARD ON TRUE 34 TO MOVE IN CRAIG'S BUCKET RIG TO BEGIN SETTING CONDUCTOR ON CWU 1542–26DX REPLACEMENT WELL.
14:00	17:00	3.0	0	0 RIG UP.
17:00	23:00	6.0	0	0 ACCEPT RIG ON DAYWORK @ 17:00 HRS. 2/10/2012, NIPPLE UP BOPE.
23:00	06:00	7.0	0	0 TEST UPPER & LOWER KELLY VALVES, FLOOR VALVES, CHOKE VALVES, CHOKE MANIFOLD, CHECK VALVE, PIPE RAMS & BLIND RAMS TO 5000 PSI HIGH, 250 LOW, ANNULAR 2500 PSI HIGH, 250 LOW, CASING 1500 PSI

AFTER BOPE TEST WILL PU BHA TO BEGIN DRILLING PRODUCTION HOLE ON THE CWU 1546–26D AND CONTINUE OPERATIONS AS FAR AS POSSIBLE WHILE WAITING ON CONDUCTOR ON CWU 1542–26DX WELL TO BE SET. ONCE CONDUCTOR ON CWU 1542–26DX IS SET, WILL SET BACK YARD ON TRUE 34 BACK IN AND CONTINUE WITH OPERATIONS ON CWU 1546–26D.

FULL CREWS

NO INCIDENT NO ACCIDENT

SAFETY MEETING, SKIDDING RIG

FUEL 9804 GALS. USED 684 GAL.

SKIDDED RIG FORWARD TO THE CWU 1546–26D SLOT (FURTHEST WELL WEST ON PAD) TO ALLOW ENOUGH ROOM TO SET CONDUCTOR FOR THE CWU 1542–26DX REPLACEMENT WELL FOR AND LOCATED 10' EAST OF THE ABANDONED CWU 1542–26DWELLBORE. WILL DRILL WELLS ON PAD WITH TRUE 34 FROM WEST END OF PAD TO EAST END TO MINIMIZE DOWNTIME TO ACCOMMODATE THE DRILLING OF THE CWU 1542–26DX REPLACEMENT WELL.

02-12-2012	Re	eported By	JO	HNNY TURNE	R/ BILL S	SNAPP					
DailyCosts: 1	Drilling	\$39,20	3	Com	pletion	\$0		Daily	<b>Total</b>	\$39,203	
Cum Costs: Drilling \$408,627		27	Completion \$0				Well	Total	\$408,627		
MD	3,150	TVD	3,065	Progress	860	Days	1	MW	9.5	Visc	31.0
Formation: PBT			<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING @ 3,150'

Start	End	Hrs	From T	o Activity Description
06:00	06:30	0.5	0	0 INSTALL WEAR BUSHING.
06:30	07:30	1.0	0	0 SLIP & CUT 66' OF DRILL LINE.
07:30	09:00	1.5	0	0 PICK UP DIRECTIONAL TOOLS & OREINT SAME.
09:00	11:30	2.5	0	0 SET BACK IN & RIG UP MUD PUMPS IN BACK YARD AFTER FINISHING SETTING CONDUCTOR FOR CWU 1542–26DX REPLACEMENT WELL ON FAR EAST END OF PAD.
11:30	14:00	2.5	0	0 FINISH PICKING UP BHA & TRIP IN HOLE & TAG CEMENT @ 2235'.
14:00	14:30	0.5	0	0 INSTALL KELLY DRIVE BUSHING & INSTALL ROTATING HEAD RUBBER.
14:30	16:30	2.0	0	0 DRILL CEMENT & FLOAT EQUIPMENT & 10' OF NEW FORMATION.
16:30	17:00	0.5	0	0 PERFORM F.I.T. @ 300 PSI = 12.0 PPG EMW.
17:00	06:00	13.0	2300	3150 ROTATE & SLIDE 2300' – 3150'.= 850', ROP 65.4 FPH.
				WOR 15-25K RPM 57/68 MM 65 SPP 1325 PSI DIFF 200-400 418 GPM 83% ROTATE 17% SLIDE

WOB 15–25K, RPM 57/68, MM 65, SPP 1325 PSI, DIFF. 200–400, 418 GPM. 83% ROTATE, 17% SLIDE,

MAHOGANY OIL SHALE FORMATION TOP 2324'.

NO INCIDENTS, NO ACCIDENTS

FULL CREWS

SAFETY MEETING, SETTING IN PUMPS, WORKING WITH RIGHT TOOLS

BOP DRILL

# COM CHECK DRILLING & TRIPPING FUEL, 8436 GALS, USED 1368 GALS.

06:00			0	0	SPUD 7 7/8" PRO	DUCTION	HOLE @ 17	:00 HRS, 2/	11/12.			
02-13-	2012	Repor	ted By		JOHNNY TURNI	ER						
DailyCo	sts: Drilli	ng	\$34,0	50	Cor	npletion	\$0		Daily	y Total	\$34,050	
Cum C	sts: Drill	ing	\$442,	678	Cor	npletion	\$0		Well	Total	\$442,678	
MD	4,78	<b>30 TV</b>	/ <b>D</b>	4,688	Progress	1,630	Days	2	MW	9.9	Visc	32.0
Format	on:			PBTD	: 0.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity	at Repor	t Time:	DRILLIN	IG @ 478	30'							
Start	End	Hrs	From	To	<b>Activity Descri</b>	ption						
06:00	15:00	9.0	3150	3847	ROTATE & SLID PSI, DIFF. 200–4 TOP 2324', WAS.	00, 418 GP	M. 87% ROTA					
15:00	15:30	0.5	0	0	SERVICE RIG.							
15:30	06:00	14.5	3847	4780 ROTATE & SLIDE 3847' TO 4780' = 933', ROP 64.3 FPH, WOB 15–25K, RPM 50/60, MM 63, SPP 1725 PSI, DIFF. 200–400, 421 GPM. 90% ROTATE, 10% SLIDE, MAHOGANY OIL SHALE FORMATION TOP 2324', WASATCH 4732', CHAPITA WELLS 5320'.								
					NO INCIDENT N	O ACCIDE	ENT					
					FULL CREWS							
					COM CHECK DI	RILLING						
					SAFETY MEETI	NG, LAST	DAY AWARE	NESS, CHA	ANGE HEAT	ER CORE ON	STEAM HEA	TER.
					FUEL 6726 GAL	S. USED 17	710 GALS.					
02-14-2	2012	Repor	ted By		JOHNNY TURNI	ER						
DailyCo	sts: Drilli	ng	\$37,4	51	Cor	npletion	\$0		Daily	y Total	\$37,451	
Cum C	sts: Drill	ing	\$480,	\$480,129		npletion	\$0		Well	Total	\$480,129	
MD	5,96	5 <b>TV</b>	<b>/D</b>	5,873	<b>Progress</b>	1,185	Days	3	MW	10.3	Visc	34.0
Format	on:			PBTD	: 0.0		Perf:			PKR Dep	oth: 0.0	
Activity	at Repor	t Time:	DRILLIN	IG @ 5,9	65'							
Start	End	Hrs	From	To	Activity Descri	ption						
06:00	16:30	10.5	4780	5252	ROTATE & SLID PSI, DIFF. 200–4							
16:30	17:00	0.5	0	0	SERVICE RIG.							
17:00	06:00	13.0	5252	0	ROTATE & SLID PSI, DIFF. 200–4 BUCK CANYON	00, 421 GP	М. 100% ROT	ATE 0% SI		,		
					NO INCIDENT N	IO ACCIDE	ENT					
					FULL CREWS							
					COM CHECK DI	RILLING						
					BOP DRILL							
					SAFETY MEETI	NG,FIRST	NIGHT BACI	K AWAREN	ESS, CHECK	KING SAFET	Y EQUIPMEN	Γ
					SAFETY MEETI			K AWAREN	ESS, CHECH	KING SAFET	Y EQUIPMEN	Γ
02-15-	2012	Repor	ted Rv			S, USED 1		K AWAREN	ESS, CHECH	KING SAFET	Y EQUIPMEN	Γ

DailyCo	sts: Drilli	ing	\$74,3	20	Cor	npletion	\$0		Dail	y Total	\$74,320	
Cum Co	sts: Drill	ing	\$554,	450	Cor	npletion	\$0		Wel	l Total	\$554,450	
MD	6,94	12 <b>TV</b>	D	6,850	Progress	977	Days	4	MW	10.6	Visc	34.0
Formati	on:			PBTD	: 0.0		Perf:			PKR Dep	oth: 0.0	
Activity	at Repor	t Time: 1	DRILLIN	NG @ 694	12'							
Start	End	Hrs	From	To	<b>Activity Descri</b>	ption						
06:00	16:00	10.0	5965	6503	ROTATE & SLID PSI, DIFF. 200–4 5977'. NORTH H	00, 453 GP	M. 97% RO	*				*
16:00	16:30	0.5	0	0	SERVICE RIG.							
16:30	18:30	2.0	6503	6597	ROTATE & SLID DIFF. 200–400, 4			*	*	*		
18:30	19:00	0.5	0	0	CHANGE SWIVE	EL PACKI	NG ON KEI	LLY.				
19:00	06:00	11.0	6597	6942	ROTATE & SLID PSI, DIFF. 200–4 PRICE RIVER 70	00, 453 GP		*	,			
					NO INCIDENT N	IO ACCIDI	ENT					
					FULL CREWS							
					COM CHECK DI	RILLING						
					SAFETY MEETI	NG, FORK	LIFT, MAK	ING CONNE	ECTIONS			
					FUEL 9918 GAL	S, USED 2	870 GALS.,	RECEIVED '	7999 GALS	OF DIESEL.		
02-16-2	2012	Report	ted By		JOHNNY TURNI	ER						

02-16-2012	Re	eported By	JO	JOHNNY TURNER							
DailyCosts: I	Orilling	\$39,	338	Con	npletion	\$6,664		Daily	Total	\$46,002	
Cum Costs: 1	Drilling	\$593	3,788	Con	apletion	\$6,664		Well	Total	\$600,453	
MD	7,650	TVD	7,558	Progress	708	Days	5	MW	11.0	Visc	41.0
Formation:			<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING @ 7650'

**Cum Costs: Drilling** 

MD

Formation:

8,440 **TVD** 

\$630,766

8,348 **Progress** 

**PBTD**: 0.0

110011103	at repor	· · · · · · · · · · · · · · · · · · ·	DIVILLEII	10 0 70	50									
Start	End	Hrs	From	To	<b>Activity Description</b>									
06:00	07:30	1.5	0	0	CHANGE SWIVEL PACKING	ON KELLY.								
07:30	08:00	0.5	0	0	SERVICE RIG.									
08:00	06:00	22.0	6942	7650	ROTATE & SLIDE 6942' TO 7650' = 708', ROP 32.2 FPH, WOB 15–25K, RPM 50/60, MM 68, SPP 2200 PSI, DIFF. 200–400, 453 GPM. 99.6% ROTATE 0.4% SLIDE, NORTH HORN 6686', PRICE RIVER 7070', PRICE RIVER MIDDLE 7933'.									
					NO INCIDENT NO ACCIDEN	ŀΤ								
					FULL CREWS									
					SAFETY MEETING, WORKI	NG IN COLD V	WET WEATHER, UNLOADING C	CASING						
					COM CHECK DRILLING									
					FUEL 7638 GALS., USED 228	30 GALS								
02-17-2	2012	Repor	ted By		JOHNNY TURNER									
DailyCo	sts: Drilli	ng	\$36,9	78	Completion	\$0	Daily Total	\$36,978						

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\$6,664

Days

Perf:

Completion

790

\$637,431

Visc

39.0

Well Total

MW

11.2

PKR Depth: 0.0

Activity	at Report Time	: DRILLING @ 8440'
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Start         End         Hrs         From         To         Activity Description           06:00         14:00         8.0         7650         7909         ROTATE & SLIDE 7650' TO 7909 = 259', ROP 32.4 FPH           WOB 15-25K, RPM 50/60, MM 65, SPP 2200 PSI, DIFF. 200-400, 434 G         SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933'.           14:00         14:30         0.5         0         0         SERVICE RIG.           :         06:00         15.5         7909         8440         ROTATE & SLIDE 7909' TO 8440' = 531', ROP 34.3 FPH           WOB 15-25K, RPM 50/60, MM 64, SPP 2200 PSI, DIFF. 200-400, 428 G         SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933', PRICE RIVER NO INCIDENTS OR ACCIDENTS           FULL CREWS         COM CHECK DRILLING           SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	GPM. 100% ROTATE 0.0%
WOB 15–25K, RPM 50/60, MM 65, SPP 2200 PSI, DIFF. 200–400, 434 of SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933'.  14:00	GPM. 100% ROTATE 0.0%
14:00 14:30 0.5 0 0 SERVICE RIG.  : 06:00 15.5 7909 8440 ROTATE & SLIDE 7909' TO 8440' = 531', ROP 34.3 FPH  WOB 15–25K, RPM 50/60, MM 64, SPP 2200 PSI, DIFF. 200–400, 428 6 SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933', PRICE RIVER  NO INCIDENTS OR ACCIDENTS  FULL CREWS  COM CHECK DRILLING  SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	
: 06:00 15.5 7909 8440 ROTATE & SLIDE 7909' TO 8440' = 531', ROP 34.3 FPH  WOB 15–25K, RPM 50/60, MM 64, SPP 2200 PSI, DIFF. 200–400, 428 6 SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933', PRICE RI  NO INCIDENTS OR ACCIDENTS FULL CREWS COM CHECK DRILLING SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	
WOB 15–25K, RPM 50/60, MM 64, SPP 2200 PSI, DIFF. 200–400, 428 0 SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933', PRICE	
SLIDE, PRICE RIVER 7070', PRICE RIVER MIDDLE 7933', PRICE RI  NO INCIDENTS OR ACCIDENTS  FULL CREWS  COM CHECK DRILLING  SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	
FULL CREWS  COM CHECK DRILLING  SAFETY MEETING,MOVING PIPE TUBS, FORKLIFT	
COM CHECK DRILLING SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	
SAFETY MEETING, MOVING PIPE TUBS, FORKLIFT	
THE FEOR CALL TIPE AGE CALL	
FUEL 5586 GALS., USED 2052 GALS	
02–18–2012 Reported By JOHNNY TURNER	
Daily Costs: Drilling\$40,007Completion\$0Daily Total	<b>al</b> \$40,007
Cum Costs: Drilling \$670,774 Completion \$6,664 Well Total	\$677,438
<b>MD</b> 9,280 <b>TVD</b> 9,188 <b>Progress</b> 840 <b>Days</b> 7 <b>MW</b>	11.5 <b>Visc</b> 39.0
Formation: PBTD: 0.0 Perf: PF	KR Depth: 0.0
Activity at Report Time: DRILLING @ 9280'	
Start End Hrs From To Activity Description	
06:00 15:30 9.5 8440 8785 ROTATE & SLIDE 8440' TO 8785' = 345', ROP 36.3 FPH, WOB 15–25k PSI, DIFF. 200–400, 422 GPM. 100% ROTATE 0.0% SLIDE, PRICE RIV RIVER LOWER 8722', SEGO 9237'.	
15:30 16:00 0.5 0 0 SERVICE RIG.	
16:00 06:00 14.0 8785 9280 ROTATE & SLIDE 8785' TO 9280' = 495', ROP 35.4 FPH, WOB 15–25k PSI, DIFF. 200–400, 422 GPM. 100% ROTATE 0.0% SLIDE, PRICE RIV	
NO INCIDENT NO ACCIDENT	
FULL CREWS	
COM CHECK DRILLING	
SAFETY MEETING, DRIVING TO & FROM WORK, BRING PIPE IN V	√–DOOR.
FUEL 3534 GALS, USED 2052 GALS.	
02–19–2012 Reported By JOHNNY TURNER	
Daily Costs: Drilling\$95,197Completion\$0Daily Total	<b>al</b> \$95,197
Cum Costs: Drilling \$765,972 Completion \$6,664 Well Total	\$772,636
<b>MD</b> 9,443 <b>TVD</b> 9,350 <b>Progress</b> 163 <b>Days</b> 8 <b>MW</b>	11.8 <b>Visc</b> 39.0
Formation: PBTD: 0.0 Perf: PF	KR Depth: 0.0
Activity at Report Time: LD DP	
Start End Hrs From To Activity Description	
Start         End         Hrs         From         To         Activity Description           06:00         14:30         8.5         9280         9443         ROTATE & SLIDE 9280' TO 9443' = 163', ROP 19.2 FPH, WOB 15-25K PSI, DIFF. 100-300, 422 GPM. 100% ROTATE 0.0% SLIDE, SEGO 923' @ 14:30 HOURS, ON 2/18/2012.	

15:00	18:00	3	3.0	0		0 CIRRCULATE	& CONDITI	ON HOLE FOR	WIPER T	RIP.			
18:00	22:00	4	1.0	0		0 PUMP PILL &	TRIP OUT O	F HOLE FOR W	TPER TR	IP. TIGHT S	SPOT @ 4665.		
22:00	23:00	1	.0	0		0 LAY DOWN D	DIRECTIONA	L TOOLS.					
23:00	03:00	4	1.0	0		0 PICK UP BIT S	SUB & TRIP	IN HOLE, NO H	OLE PRO	BLEMS.			
03:00	05:00	2	2.0	0		0 CIRCULATE &	& CONDITIO	N HOLE TO LA	Y DOWN	DRILLPIP	E, NO FLARE	W/ BOTTOMS	S UP.
05:00	06:00	1	.0	0		0 PUMP PILL &	LAY DOWN	DRILLPIPE.					
						NO INCIDENT	Γ NO ACCIDI	ENT					
						FULL CREWS	}						
						COM CHECK	DRILLING &	t TRIPPING					
						SAFETY MEE	TING, TRIPP	ING PIPE, LAY	NG DOV	N TOOLS			
						FUEL 9804 GA	ALS, USED 13	330 GALS, REC	EVED 7	600 GALS O	OF DIESEL.		
02-20-2	2012	Repo	orted l	Ву		JOHNNY TUR	NER						
DailyCo	sts: Drilli	ing	\$	12,971		C	Completion	<b>Example 166</b> ,023		Daily		\$178,995	
Cum Co	osts: Drilli	ing	\$	778,94	13	C	Completion	\$172,687		Wel	l Total	\$951,631	
MD	9,44	13 J	ΓVD		9,3	50 Progress	0	Days	9	MW	11.7	Visc	37.0
Formati	ion :			P	PBTI	<b>D</b> : 0.0		Perf:			PKR De	oth: 0.0	
Activity	at Repor	t Time	: RDR	T/WO	COM	MPLETION					•	•	
Start	End	Hrs	Fre	om T	Го	Activity Desc	cription						
06:00	11:00	5	5.0	0		0 LAY DOWN D	RILLPIPE &	BHA.					
11:00	11:30	C	).5	0		0 PULL WEAR I	BUSHING.						
11:30	18:30	7	7.0	0		CASING, PUP PRICE RIVER 3 TURBILIZEI 3RD JOINT TH TAG JOINT, PI WENT TO BO  CASING LAN COMPONENT FLOAT SHOE FLOAT COLLA	P-110, LT&C JOINT ON T , 65 JTS, CAS RS (5' ABOVI HEREAFTER ICK UP MAN TTOM W/ NO DED AS FOL 'S UNLESS O (BOTTOM): ' AR: 9434'	C) AS FOLLOWS OP OF FLOAT OF SING, MARKER E SHOE AND M TO 400' ABOVE IDREL & LAND D HOLE PROBL LOWS (DEPTH	S: FLOAT COLLAR JOINT, @ IDDLE O E WASAT CASING EMS.	SHOE, 1 J' TO SPACE 400' ABO F JTS #2 & CH (TOTAI W/ 82K ST	T CASING, FI OUT, MARKE VE WASATCH #3) + 1 BOW L OF 40) TAG TRING WEIGH	OAT COLLAR OR JOINT, @ T H, 102 JTS CAS CENTRALIZE BOTTOM , LA	R, 55 JTS OF OP OF SING. RAN IR EVERY Y DOWN
						MARKER JOIL							
						MARKER JOI	N1: 4554						
18:30	21:30	3	3.0	0		0 CIRCULATE O UP.	CASING ON I	BOTTOM, LAST	200 BBI	LS W/ 0.5 G	PT XCIDE, N	O FLARE W/ I	BOTTOMS
21:30	00:30	3	3.0	0		VERSASET, 0. LBM POLY-E MYACIDE, DI	CIDE, PUMP .5% HR-5 OF FLAKE OF SPLACED @ JG & PRESSU	520 SKS (149 BI F LEAD CEMEN TAIL CEMENT, 8 BBLS MIN., S JRED UP TO 36	BLS) OF T, 1350 S DISPLAG SLOWED	12.5#, 1.61° KS (353 BE CED W/ 140 TO 3 BBLS	YIELD W/ 4% BLS) OF 13.5#, 5 BBLS OF FR 5 MIN W/ 136B	BENTONITE, 1.47 YIELD W ESH WATER V BBLS GONE, F	0.3% // 0.125 N/ .5 GPT FCP 2598#,
00:30	01:30	1	.0	0		0 PRESSURE BA			0# & HO	LD FOR 1 F	łR.		
01:30	03:00	1	.5	0									
01:30	03:00	1		U		U KEWIUVE LAN	REMOVE LANDING JT. SET & TEST PACK OFF TO 5000# FOR 15 MIN.						

Activity at Report Time: FRAC

Start End Hrs From To Activity Description

06:00 06:00 24.0 0 0 STAGE 1. MIRU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5

BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. MIRU

HALLIBURTON. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 922

GAL 16# LINEAR PAD, 7477 GAL 16# LINEAR W/9600# 20/40 SAND @ 1–1.5 PPG, 17858 GAL 16#

DELTA 200 W/58800# 20/40 SAND @ 2–5 PPG. MTP 5840 PSIG. MTR 51 BPM. ATP 5239 PSIG. ATR

49.9 BPM. ISIP 2874 PSIG. RD HALLIBURTON.

Sundry Number: 25986 API Well Number: 43047517390000

Well Name: CWU 1546–26D Field: CHAPITA DEEP Property: 066348

STAGE 2. RUWL. SET 6K CFP AT 8930'. PERFORATE LPR FROM 8909'-8910',8895'-8896', 8886'-8887',8876'-8877',(8856-57'MISFIRED),8848'-8849',8831'-32',8812'-13',8802'-03', 8790'-8791',8764'-65',8756'-57'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER . PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT). 775 GAL 16# LINEAR PAD, 7458 GAL 16# LINEAR W/9600# 20/40 SAND @ 1-1.5 PPG, 33374 GAL 16# DELTA 200 W/113800# 20/40 SAND @ 2-5 PPG. MTP 6236 PSIG. MTR 50.2 BPM. ATP 5236 PSIG. ATR 46.2 BPM. ISIP 3105 PSIG. RD HALLIBURTON.

STAGE 3. RUWL. SET 6K CFP AT 8734'. PERFORATE MPR FROM 8711'-12', 8700'-01', 8691'-92', 8677'-78',8659'-60', 8647'-48', 8635'-36', 8629'-30', 8589'-90', 8561'-62', 8539'-40', 8534'-35' @ 3 SPF & 120 DEGREE PHASING. RDWL. . RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER . PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 745 GAL 16# LINEAR PAD, 3232 GAL 16# LINEAR W/3200# 20/40 SAND @ 1 PPG, 42551 GAL 16# DELTA 200 W/118400# 20/40 SAND @ 1.5-5 PPG. MTP 6375 PSIG. MTR 44.8 BPM. ATP 5966 PSIG. ATR 23.7 BPM. ISIP 3739 PSIG. RD HALLIBURTON.

STAGE 4. RUWL. SET 6K CFP AT 8510'. PERFORATE MPR FROM 8489'-90', 8465'-66', 8450'-51', 8424'-25', 8406'-07', 8393'-94', 8372'-73', 8362'-63', 8321'-22', 8308'-09', 8286'-87', 8277'-78' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 895 GAL 16# LINEAR PAD, 7407 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 51300 GAL 16# DELTA 200 W/177800# 20/40 SAND @ 2-5 PPG. MTP 6452 PSIG. MTR 50.3 BPM. ATP 5322 PSIG. ATR 47.5 BPM. ISIP 3397 PSIG. RD HALLIBURTON. SWIFN.

05-11-2012	Re	eported By	M	ICCURDY							
DailyCosts: I	Orilling	\$0		Con	pletion	\$333		Daily	Total	\$333	
Cum Costs: 1	Drilling	\$77	8,943	Con	pletion	\$189,353		Well '	<b>Fotal</b>	\$968,297	
MD	9,443	TVD	9,350	Progress	0	Days	13	MW	0.0	Visc	0.0
Formation :	MESAVE	RDE	<b>PBTD</b> : 9	9330.0		<b>Perf</b> : 7327–9	166		PKR Der	oth: 0.0	

Activity at Report Time: FRAC STAGE 9 RIH W/CBP RDMO WIRELINE AND HALLIBURTON

Start	End	Hrs	From	To	Activity Description
06:00	06:00	24.0	0		0 STAGE 5. INTIAL PRESSURE 1686 PSIG. RUWL. SET 6K CFP AT 8230'. PERFORATE MPR FROM 8206'-07', 8196'-97', (8177'-78'MISFIRED), 8160'-61', 8151'-52', 8137'-38', 8127'-28', 8117'-18', 8092'-93', 8081'-82', 8068'-69', 8057'-58'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 541 GAL 16# LINEAR PAD, 7411 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 44113 GAL 16# DELTA 200 W/146500# 20/40 SAND @ 2-5 PPG. MTP 5803 PSIG. MTR 50 3 RPM. ATP 3862 PSIG. ATR 46 7 RPM. ISIP 2470 PSIG. RD HALL IBURTON

STAGE 6. RUWL. SET 6K CFP AT 8010'. PERFORATE UPR/MPR FROM 7987'–88', 7978'–79', 7966'–67', 7928'–29', 7916'–17', 7889'–90', 7864'–65', 7858'–59', 7839'–40', 7830'–31', 7820'–21', 7809'–10'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER . PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 669 GAL 16# LINEAR PAD, 7424 GAL 16# LINEAR W/9500# 20/40 SAND @ 1–1.5 PPG, 31207 GAL 16# DELTA 200 W/105500# 20/40 SAND @ 2–5 PPG. MTP 6081 PSIG. MTR 50.2 BPM. ATP 5019 PSIG. ATR 46.6 BPM. ISIP 2251 PSIG. RD HALLIBURTON.

STAGE 7. RUWL. SET 6K CFP AT 7796'. PERFORATE UPR FROM 7781'-82', 7764'-65', 7733'-34', 7721'-22', 7710'-11', 7673'-74', 7663'-64', 7605'-06', 7589'-90', 7570'-71', 7558'-59', 7547'-48'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 660 GAL 16# LINEAR PAD, 7439 GAL 16# LINEAR W/9600# 20/40 SAND @ 1-1.5 PPG, 38479 GAL 16# DELTA 200 W/130300# 20/40 SAND @ 2-5 PPG. MTP 6240 PSIG. MTR 50.3 BPM. ATP 5104 PSIG. ATR 43.3 BPM. ISIP 2475 PSIG. RD HALLIBURTON.

STAGE 8. RUWL. SET 6K CFP AT 7500'. PERFORATE UPR FROM 7477'-78', 7466'-67', 7449'-50', 7430'-31', 7417'-18', 7410'-11', 7399'-7400', 7390'-91', 7378'-79', 7355'-56', 7345'-46', 7327'-28'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT), 517 GAL 16# LINEAR PAD, 7804 GAL 16# LINEAR W/10,100# 20/40 SAND @ 1-1.5 PPG, 34396 GAL 16# DELTA 200 W/117400# 20/40 SAND @ 2-5 PPG. MTP 6060 PSIG. MTR 50.4 BPM. ATP 4350 PSIG. ATR 50 BPM. ISIP 2073 PSIG. RD HALLIBURTON. SWIFN.

05-12-2012	Report	ed By	MCCURDY							
DailyCosts: Dri	lling	\$0	Con	npletion	\$374,854		Daily	Total	\$374,854	
Cum Costs: Dr	illing	\$778,943	Con	npletion	\$564,208		Well	<b>Fotal</b>	\$1,343,151	
<b>MD</b> 9.	.443 <b>TV</b>	<b>D</b> 9,35	0 Progress	0	Days	14	MW	0.0	Visc	0.0
Formation : MI	ESAVERDE	PBTD	: 9330.0		<b>Perf</b> : 7068–9	166		PKR Der	oth: 0.0	

Activity at Report Time: PREP TO MIRUSU FOR POST FRAC CLEAN OUT

DailyCosts: Drilling

Start	End	Hrs	From	To	Activity Description
06:00	06:00	24.0	0		0 STAGE 9. SICP 0 PSIG. RUWL. SET 6K CFP AT 7264'. PERFORATE UPR FROM 7242'-43', 7228'-29',
					7181'-82', 7169'-70', 7153'-54', 7143'-44', 7133'-34', 7112'-13', 7103'-04', 7083'-84, 7073'-74',
					7068'-69' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO
					EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER . PUMP 110 GAL OF NALCO 6106, PLUS 5
					BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (BACKTRON KW31 @ 2GPT),
					872 GAL 16# LINEAR PAD, 7445 GAL 16# LINEAR W/9600# 20/40 SAND @ 1–1.5 PPG, 19614 GAL
					16# DELTA 200 W/65800# 20/40 SAND @ 2–5 PPG. MTP 6222 PSIG. MTR 50.2 BPM. ATP 4901 PSIG.
					ATR 48.1 BPM. ISIP 2163 PSIG. RD HALLIBURTON.

NOTE; NO PRESSURE PRIOR TO PERFORATING. IT TOOK 6 BBLS TO CATCH PRESSURE PRIOR TO JOB.

RUWL. SET 6K CBP AT 7022'. BLED WELL TO 0 PSIG. RDMO CUTTERS WIRELINE & HALLIBURTON SERVICES. SDFN.

05-16-2	2012	Repor	ted By		BASTIAN / I	BAUSCH						
DailyCo	sts: Drilli	ng	\$0			Completion	\$79,062		Daily	Total	\$79,062	
Cum Co	sts: Drill	ing	\$778,	943		Completion	\$643,270		Well	<b>Fotal</b>	\$1,422,213	
MD	9,44	3 <b>TV</b>	<b>/D</b>	9,350	Progres	<b>s</b> 0	Days	15	MW	0.0	Visc	0.0
Formation: MESAVERDE PBTI				PBTD :	9330.0 <b>Perf</b> : 7068–9166			<b>PKR Depth</b> : 0.0				
Activity	at Repor	t Time:	POST FF	RAC CLE	AN OUT							
Start	End	Hrs	From	To	Activity De	scription						
06:00	06:00	24.0	0	0	PUMP OFF I	BIT SUB TO 70	FRAC TREE. N 22'. TEST PIPE 3', 8010', 8230', 8	RAMS T	O 1700 PSIG.	DRILL OUT		
05-17-2	2012	Repor	ted By		BASTIAN / I	BAUSCH						

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\$4,980

Completion

\$4,980

**Daily Total** 

\$778,943 \$648,250 \$1,427,193 **Cum Costs: Drilling** Completion **Well Total** MD 9,443 9,350 **Progress** 0 16 MW0.0 Visc 0.0 Days **Formation:** MESAVERDE **PBTD**: 9330.0 Perf: 7068-9166 PKR Depth: 0.0 Activity at Report Time: SI - WO SALES Start End Hrs From To **Activity Description** 0 CLEAN OUT TO 9256'. POH, LD EXCESS TBG. LANDED TBG @ 7755' KB. ND BOP. NU WH. 06:00 06:00 24.0 0 PUMPED OFF BIT SUB. RDMOSU. TUBING DETAIL LENGTH PUMP OFF SUB 1.00' 1 JT 2-3/8 4.7# L-80 TBG 32.65' XN NIPPLE 1.30' @ 7721' 236 JTS 2-3/8 4.7# L-80 TBG 7701.51' BELOW KB 19.00' LANDED @ 7755.46' KB 05-22-2012 Reported By **SEARLE** \$4,770 **Daily Total** \$4,770 DailyCosts: Drilling Completion \$778,943 \$653,020 \$1,431,963 **Cum Costs: Drilling** Completion Well Total 0.0 9,443 0 0.0 MD TVD 9,350 **Progress** Days 17 MWVisc **PBTD**: 9330.0 **Perf:** 7068–9166 PKR Depth: 0.0 **Formation:** MESAVERDE Activity at Report Time: FLOW TEST/INITIAL PRODUCTION Start End Hrs From To **Activity Description** 0 RU TEST UNIT. FLOWED THROUGH TES UNIT 14 HRS. 18/64" CHOKE. FTP 1300 PSIG, CP 2500 06:00 0 PSIG. 26 BPH, RECOVERED 372 BLW. 10020 BLWTR. 600 MCFD RATE. INITIAL PRODUCTION: TURNED WELL TO QUESTAR SALES AT 1:35 PM, 5/21/12. FLOWING 2000 MCFD ON 20/64" CK. FTP 1250 PSIG & FCP 3500 PSIG. 05-23-2012 Reported By **SEARLE** \$0 \$4,770 DailyCosts: Drilling Completion \$4,770 **Daily Total** \$1,436,733 \$778,943 \$657,790 **Well Total Cum Costs: Drilling** Completion MD 9,443 **TVD** 9,350 **Progress** 0 18 MW0.0 Visc 0.0 Davs **Formation:** MESAVERDE **PBTD**: 9330.0 Perf: 7068-9166 PKR Depth: 0.0 **Activity at Report Time: FLOW TEST** Start End Hrs From To **Activity Description** 0 FLOWED THROUGH TES UNIT 24 HRS. 24/64" CHOKE. FTP 1000 PSIG, CP 2000 PSIG, 40 BPH, 06:00 0 RECOVERED 938 BLW. 9084 BLWTR. 1030 MCFD RATE.

Form 3160-4 (August 2007)

#### UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0137

#### **BUREAU OF LAND MANAGEMENT** Expires: July 31, 2010 WELL COMPLETION OR RECOMPLETION REPORT AND LOG Lease Serial No. UTU0285A 1a. Type of Well Other □ Oil Well ☑ Gas Well □ Drv 6. If Indian, Allottee or Tribe Name b. Type of Completion □ Deepen New Well ■ Work Over ☐ Diff. Resvr. ☐ Plug Back 7. Unit or CA Agreement Name and No. Other CHAPITA WELLS Name of Operator EOG RESOURCES, INC. Contact: MICKENZIE GATES Lease Name and Well No CWU 1546-26D E-Mail: MICKENZIE GATES@EOGRESOURCES.COM 600 17TH SREET SUITE 1000N 3a. Phone No. (include area code) Ph: 435-781-9145 9. API Well No. DENVER, CO 80202 43-047-51739 4. Location of Well (Report location clearly and in accordance with Federal requirements)\* 10. Field and Pool, or Exploratory NATURAL BUTTES At surface NENE 445FNL 531FEL 40.013014 N Lat. 109.399650 W Lon 11. Sec., T., R., M., or Block and Survey or Area Sec 26 T9S R22E Mer SLB At top prod interval reported below NENE 445FNL 531FEL 40.013014 N Lat. 109.399650 W Lon NENE #5FNL 531FEL 40.013014 N Lat, 109.399650 W Lon BHL W HSM 12. County or Parish UINTAH 13. State UT At total depth 14. Date Spudded 12/19/2011 15. Date T.D. Reached 16. Date Completed 17. Elevations (DF, KB, RT, GL)\* 02/18/2012 5015 GL 18. Total Depth: 9443 9330 MD 19. Plug Back T.D.: MD 20. Depth Bridge Plug Set: MD TVD 9351 9294 TVD Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL/CCL/VDL/GR Was well cored? Was DST run? 22 ☑ No Yes (Submit analysis) **⋈** No Yes (Submit analysis) Directional Survey? ☐ No Yes (Submit analysis) 23. Casing and Liner Record (Report all strings set in well) Top Bottom Stage Cementer No. of Sks. & Slurry Vol. Hole Size Size/Grade Wt. (#/ft.) Cement Top\* Amount Pulled (MD) (MD) Depth Type of Cement (BBL) 12.250 9.625 K-55 36.0 2281 650 7.875 4.500 N-80 11.6 9436 1870 2250 24. Tubing Record Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) 2.375 7755 25. Producing Intervals 26. Perforation Record Formation Top Perf. Status Bottom Perforated Interval Size No. Holes **MESAVERDE** A) 7068 9166 8949 TO 9166 36 OPEN B) 8756 TO 8910 33 OPEN C) 8534 TO 8712 36 OPEN D) 8277 TO 8490 36 OPEN 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. RECEIVED Depth Interval Amount and Type of Material 8949 TO 9166 642 BARRELS OF GELLED WATER & 68,400# 20/40 SAND JUL 0 5 2012 8756 TO 8910 1,008 BARRELS OF GELLED WATER & 123,400# 20/40 SAND 1,125 BARRELS OF GELLED WATER & 121,600# 20/40 SAND 8534 TO 8712 8277 TO 8490 1,436 BARRELS OF GELLED WATER & 187,300# 20/40 SAND DIV. OF OIL, GAS & MINING 28. Production - Interval A Date First Test Water Oil Gravity Production Method BBL MCF Produced Date Tested Production BBI. Corr. API Gravity 05/21/2012 06/04/2012 24 17.0 411.0 250.0 FLOWS FROM WELL Choke Tbg. Press Csg. 24 Hr Gas Gas:Oil Well Status Size 360 Press BBI. MCF BBL. 24/64 925.0 17 411 250 **PGW** 28a. Production - Interval B Hours Date First Test Oil Gas MCF Water BBL Oil Gravity Test Production Method

Tested

Csg.

Press

Produced

Choke

Size

Date

Flwg.

Tbg. Press

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #141933 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

MCF

BBL

Oil

BBI.

Production

24 Нг.

BBI.

Corr. API

Gas:Oil

Ratio

Gravity

Well Status

28h Prod	luction - Inte	rval C											
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	s	Production Method			
Produced	Date	Tested	Production	BBL	MCF	BBL	Соп. АРІ		Gravity				
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	We	ell Status				
	SI			-		J. D.	Radio						
	luction - Inte	rval D						•					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API		Gas Production Method Gravity				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	We	Well Status				
	sition of Gas	s(Sold, usea	for fuel, ven	ted, etc.)	<u> </u>								
30 Summ	nary of Porou	us Zones (Ir	ochide Aquif	erc).					21 For	mation (Log) Markers			
	-	•	•		eof: Core	d intervals an	d all drill-stem		31. For	mation (Log) Markers			
tests,	including de ecoveries.	pth interval	tested, cushi	on used, tim	e tool ope	en, flowing an	d shut-in pressure	es					
	Formation		Т	Datta		D					Тор		
	Formation		Тор	Bottom		Descript	ions, Contents, et	c.		Name	Meas. Depth		
MESAVE	RDE		7068	9166						REEN RIVER	1376		
									MA	RDS NEST HOGANY	1692 2310		
										ELAND BUTTE ASATCH	4588 4704		
									CH	IAPITA WELLS	5306		
		İ								CK CANYON ICE RIVER	5997 7067		
		İ											
32 Additi	ional remark	e (include n	lugging proc	adura):									
	se see the a		rugging proc	edure).									
22 6: 1													
	enclosed att		(1 C 11			201							
	ectrical/Mecl	_				2. Geologi	=		3. DST Rep	port 4. Direct	ional Survey		
5. Sui	ndry Notice	for plugging	g and cement	verification		6. Core Ar	ialysis	7	7 Other:				
34. I herel	by certify the	at the forego	oing and attac	ched informa	tion is co	omplete and co	orrect as determin	ed from a	ll available	records (see attached instruc	rtions):		
	<i>-</i>	ar the lones.					ed by the BLM V				crons).		
				Fo	r EOG F	RESOURCES	S, INC., sent to t	the Verna	ıl				
Name	(please prin	t) MICKEN	ZIE GATES	3			Title F	REGULA <sup>-</sup>	TORY AS	SISTANT			
	14 1		. /										
Signat	ture <b>/////</b>	1AAAAA	id Abbumss	auther			Date 0	06/29/201	12				
<i>y</i>	10/	7		<del>- +- +</del>									
Title 10 Ti	ISC Sooties	n 1001 and	Title 42 II C	C Santian 1	2121	a it a anim - f	r onti porce 1	rzin alv	d mille-11-	to make to any department o	# 0.00m a:-:		
of the Uni	ited States ar	ny false, fict	itious or frac	lulent statem	ents or re	presentations	as to any matter	within its j	jurisdiction	o make to any department o	i agency		

## CHAPITA WELLS UNIT 1546-26D- ADDITIONAL REMARKS:

### **26. PERFORATION RECORD**

8057-8207	33	OPEN
7809-7988	36	OPEN
7547-7782	36	OPEN
7327-7478	36	OPEN
7068-7243	36	OPEN

### 27. ACID, FRACTURE TREATMENT, CEMENT SQUEEZE, ETC.

8057-8207	1,257 BARRELS GELLED WATER & 156,000# 20/40 SAND
7809-7988	953 BARRELS GELLED WATER & 115,000# 20/40 SAND
7547-7782	1,110 BARRELS GELLED WATER & 139,900# 20/40 SAND
7327-7478	1,034 BARRELS GELLED WATER & 127,500# 20/40 SAND
7068-7243	661 BARRELS GELLED WATER & 75,400# 20/40 SAND

## 32. FORMATION (LOG) MARKERS

Middle Price River	7910
Lower Price River	8718
Sego	9233



## **Survey Certification Sheet**

Company: EOG Resources

API # 43-047-51739

Well Name: Chapita Well Unit #1546-26D

SURFACE LOCATION Uintah County, Utah Sec. 26-T9S-R22E

445' From North Line, 531' From East Line

**BOTTOM HOLE LOCATION @** 

9443' Measured Depth

9350.39' True Vertical Depth

-215.99' South, -705.96' West from Surface Location Crescent Job Number: CA 11876 and CA 12088

Surveyed from a depth of 0.0'- 9443' MD

Type of survey: Crescent MWD (Measurement While Drilling)

Last Survey Date: Febuary 19, 2012 Directional Supervisor: John Stringfellow

To whom it may concern, I attached surveys in pdf and text format of the Chapita Well Unit 1546-26D well.

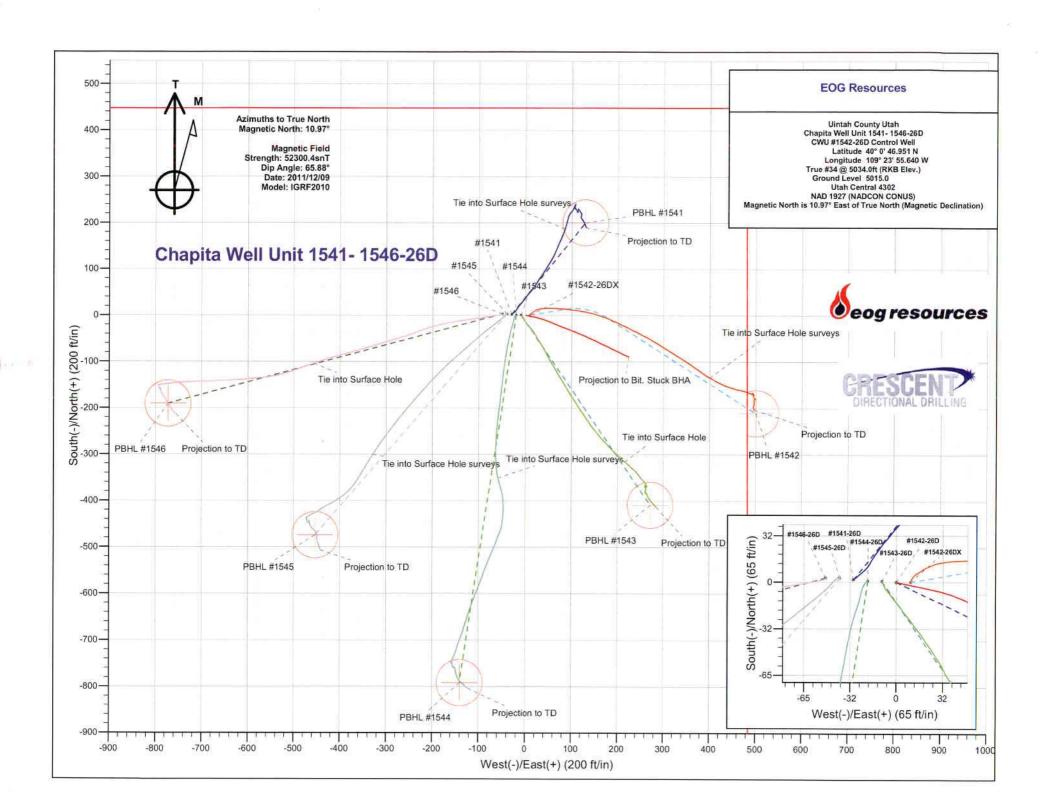
The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by Crescent Directional Drilling.

This report represents a true and correct Directional Survey of this well based on the original data obtained at the well site. Wellbore Coordinates are calculated using minimum curvature.

John Stringfellow Directional Coordinator Rocky Mtn. Region Crescent Directional Drilling Off. (307)266-6500

John Strugteller

Cell. (307)259-7827





EOG Resources Uintah County Utah Chapita Well Unit 1541- 1546-26D CWU #1546-26D

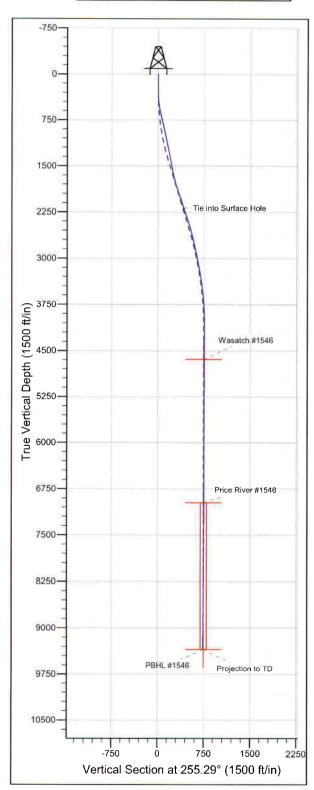
Latitude 40° 0' 46.980 N Longitude 109° 23' 56.281 W True #34 @ 5034.0ff (RKB Elev.) Ground Level 5015.0 Utah Central 4302

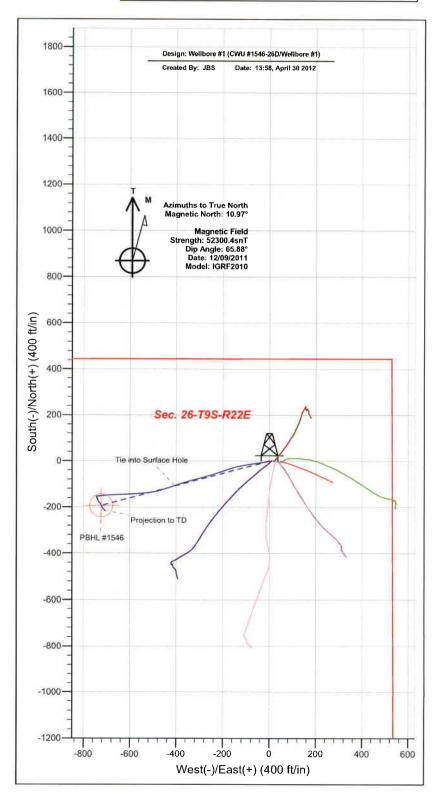


OUTO CENTRAL 4-302
NAD 1927 (NADCON CONUS)
Magnetic North is 10.97° East of True North (Magnetic Declination)

ANNOTATIONS									
TVD 2184.2 9350.6	2236.0	Annotation Tie into Surface Hole Projection to TD							

WELLBORE TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Shape					
Wasatch #1546	4641.0	-193.4	-722.9	Point					
Price River #1546	6979.0	-193.4	-722.9	Circle (Radius: 50.0)					
PBHL #1546	9350.0	-193.4	-722.9	Point					







## **EOG Resources**

Uintah County Utah Chapita Well Unit 1541- 1546-26D CWU #1546-26D Wellbore #1

**Design: Wellbore #1** 

# **Standard Survey Report**

30 April, 2012







Company: Project:

**EOG** Resources Uintah County Utah

Site:

Chapita Well Unit 1541- 1546-26D

Well: Wellbore: Design:

CWU #1546-26D Wellbore #1

Wellbore #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Database:

Well CWU #1546-26D

True #34 @ 5034.0ft (RKB Elev.) True #34 @ 5034.0ft (RKB Elev.)

True

Minimum Curvature

EDM 2003.16 Single User Db

Project Uintah County Utah

Map System:

US State Plane 1927 (Exact solution)

0.0 ft

Geo Datum: Map Zone:

NAD 1927 (NADCON CONUS)

Utah Central 4302

System Datum:

Mean Sea Level

Chapita Well Unit 1541- 1546-26D

Site Position:

Site

From:

Lat/Long

Northing:

618,708.27ft

Latitude:

**Position Uncertainty:** 

Easting: Slot Radius: 2,588,474.21ft

Longitude:

40° 0' 46.951 N 109° 23' 55.640 W

**Grid Convergence:** 

1.35

Well CWU #1546-26D

**Well Position** 

+N/-S +E/-W

0.0 ft 0.0 ft Northing: Easting:

618,710.01 ft 2.588,424,30 ft Latitude:

40° 0' 46.980 N

**Position Uncertainty** 

0.0 ft

Wellhead Elevation:

Longitude:

109° 23' 56.281 W

Ground Level: 5,015.0 ft

Wellbore Wellbore #1 Magnetics Model Name Sample Date Dîp Angle Declination Field Strength (°) (nT)IGRF2010 12/09/11 10.97 65.88 52,300

Wellbore #1 Design Audit Notes: Version: 1.0 **ACTUAL** Tie On Depth: Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°) 0.0 0.0 0.0 255.29

Survey Program Date 04/12/12 From Tα (ft) (ft) Survey (Wellbore) Tool Name Description 296.0 2,236.0 Surface Hole Surveys (Wellbore #1) MWD MWD - Standard 2,323.0 9,443.0 7 7/8" Hole Surveys (Wellbore #1) MWD MWD - Standard

Survey Measured Vertical Vertical Dogleg Build Turn Depth Inclination **Azimuth** Depth +N/-S +E/-W Section Rate Rate Rate (°/100ft) (ft) (ft) (ft) (°/100ft) (°/100ft) (ft) (ft) 0.0 0.00 0.00 0.0 0.0 0.0 0.0 0.00 0.00 0.00 296.0 0.20 154.60 296.0 -0.5 0.2 -0.1 0.07 0.07 0.00 326.0 0.70 237.20 326.0 -0.6 0.1 0.1 2.34 1.67 275.33 356.0 2.10 251.40 356.0 -0.9 -0.6 8.0 4.77 4.67 47.33 386.0 3.70 256.70 385.9 -1.3 -2.0 2.3 5.40 5.33 17.67 416.0 4.80 258.30 415.9 -1.8 4.5 3.69 5.33 -4.2 3.67 446.0 6.00 258.50 445.7 -2.3 -7.0 4.00 7.3 4.00 0.67 476.0 475.5 7.20 259.20 -3.0-10.4 10.8 4.01 4.00 2.33 506.0 8.30 260.40 505.3 -14.4 14.8 4.00 -3.73.71 3.67 536.0 9.50 261.00 534.9 -4.5 -18.9 19.4 4.01 4.00 2.00 566.0 10.50 261.10 564.4 -5.3 -24.1 24.6 3.33 3.33 0.33 596.0 11.20 261.30 593.9 -6.1 -29.730.2 2.34 2.33 0.67





Company: Project:

EOG Resources Uintah County Utah

Site: Chapita Well Unit 1541- 1546-26D Well: CWU #1546-26D

Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Database:

Well CWU #1546-26D

True #34 @ 5034.0ft (RKB Elev.) True #34 @ 5034.0ft (RKB Elev.)

True

Minimum Curvature

Neasured   Depth   Inclination   Azimuth   Depth   (t)   (	
Measured   Depth   Inclination   Azimuth   Depth   +N/-S   +E/-W   Section   (ft)	1.0
Depth   Inclination   Azimuth   Depth   +N/S   +E/W   Section   Rate   Rate   (ft)	A TOTAL PROPERTY.
Depth   Inclination   Azimoth   Depth   *NJ/S   *E W   Section   Rate   Rate   (ft)	6 <b>22</b> 00000000000000000000000000000000000
(ff)         (r)         (ff)         (ff)         (7/100fg)	Turn
626.0 12.10 261.80 623.3 7.0 -35.6 36.3 3.02 3.00 656.0 12.50 261.90 652.6 7.9 42.0 42.6 1.34 1.33 686.0 13.00 261.90 681.9 8.9 48.5 49.2 1.67 1.67 1.67 1.67 1.60 13.10 262.00 711.1 9.8 5.52 55.9 0.34 0.33 746.0 13.20 261.90 740.3 -10.8 62.0 62.7 0.34 0.33 746.0 13.20 261.90 740.3 -10.8 62.0 62.7 0.34 0.33 746.0 13.80 261.80 769.5 -11.8 68.9 69.7 2.00 2.00 806.0 14.00 260.70 798.6 -12.9 -76.1 76.8 1.10 0.67 836.0 14.10 260.70 798.6 -12.9 -76.1 76.8 1.10 0.67 836.0 14.10 261.70 827.7 -14.0 83.2 84.1 0.88 0.33 866.0 13.80 261.40 856.8 -15.0 -90.4 91.3 10.3 1.00 896.0 13.00 261.60 886.0 -16.1 -97.3 98.2 267 -2.67 926.0 12.30 260.80 915.3 -17.1 -103.8 104.7 2.41 2.33 956.0 11.70 259.30 944.6 -18.1 -109.9 110.9 2.25 -2.00 986.0 11.60 257.10 974.0 -19.4 -115.8 117.0 1.52 0.33 1.016.0 11.80 257.00 974.0 -19.4 -115.8 117.0 1.52 0.33 1.016.0 12.20 256.10 1.032.7 -22.2 -127.8 129.3 1.47 1.33 1.03 1.33 1.06.0 12.70 256.50 1.062.0 -23.7 -134.0 135.6 0.44 0.33 1.106.0 12.70 256.50 1.062.0 -23.7 -134.0 135.6 0.44 0.33 1.106.0 12.70 256.50 1.091.3 -252 -140.3 142.1 1.33 1.33 1.36 0.106.0 12.70 254.80 1.162.6 -28.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 254.80 1.162.6 -28.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 254.80 1.162.6 -28.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 254.80 1.267.3 -362 -176.4 1.97.9 0.03 1.346.0 11.20 249.20 1.267.3 -362 -176.4 1.97.9 0.03 1.346.0 11.20 249.20 1.267.3 -362 -176.4 1.97.9 0.03 1.346.0 11.20 249.20 1.267.3 -362 -176.4 1.97.9 0.03 1.346.0 11.20 249.20 1.267.3 -362 -176.4 1.97.9 0.03 1.346.0 11.20 255.50 1.126.6 -28.8 -146.8 148.8 1.34 1.00 1.366.0 12.70 254.80 1.266.7 -38.3 -181.9 185.7 0.42 0.33 1.366.0 11.70 251.30 1.208.5 -32.2 -165.4 168.1 2.02 -1.67 1.266.0 11.70 251.30 1.208.5 -32.2 -165.4 168.1 2.02 -1.67 1.266.0 11.70 251.30 1.208.5 -32.2 -165.4 168.1 2.02 -1.67 1.266.0 11.70 251.30 1.208.5 -32.2 -165.4 168.1 2.02 -1.67 1.266.0 11.70 251.30 1.208.5 -32.2 -165.4 168.1 1.30 -1.30 1.300 1.266.0 1.300 253.70 1.566.0 -38.5 -32.2 -32.3 223.3 1.36 1.33 1.33 1.366.0 1.300 253.70 1.566.5 -58.8 224.4	Rate
666.0 12.50 261.90 652.6 -7.9 4.2.0 42.6 1.34 1.33 686.0 13.00 261.90 681.9 -8.9 48.5 49.2 1.67 1.67 1.67 716.0 13.10 262.00 711.1 -9.8 -55.2 55.9 0.34 0.33 776.0 13.20 261.90 740.3 -10.8 -62.0 62.7 0.34 0.33 776.0 13.80 261.80 769.5 -11.8 -68.9 69.7 2.00 2.00 806.0 14.00 260.70 798.6 -12.9 -76.1 76.8 1.10 0.67 836.0 14.10 261.70 827.7 -14.0 83.2 84.1 0.88 0.33 866.0 14.10 261.70 827.7 -14.0 83.2 84.1 0.88 0.33 866.0 13.00 261.60 886.0 -16.1 -97.3 98.2 2.67 -2.67 926.0 12.30 260.80 915.3 -17.1 -103.8 104.7 2.41 -2.33 956.0 11.70 259.30 944.6 -18.1 -109.9 110.9 2.25 -2.00 986.0 11.60 257.10 974.0 -19.4 -115.8 117.0 1.52 -0.33 1.06.0 11.60 257.00 10.03.4 -20.7 -121.8 123.0 0.67 0.67 1.046.0 12.20 256.10 1.032.7 -22.2 -127.8 123.0 0.67 0.67 1.046.0 12.20 256.50 1.062.0 -23.7 -134.0 135.6 0.44 0.33 1.060 12.70 256.50 1.091.3 -25.2 -140.3 142.1 1.33 1.33 1.33 1.36.0 13.00 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1.201.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.20 253.20 1.179.1 -30.3 -159.5 161.9 2.02 -1.67 1.266.0 11.10 250.50 1.237.9 -34.2 -171.0 174.1 2.07 2.00 1.266.0 11.00 249.20 1.267.3 -36.2 -176.4 179.8 0.90 0.33 1.316.0 11.00 249.20 1.267.3 -36.2 -176.4 179.8 0.90 0.33 1.360 11.20 249.20 1.267.3 -36.2 -176.4 179.8 0.90 0.33 1.360 11.20 250.00 1.385.1 -44.3 -198.0 20.27 1.33 1.33 1.360 11.00 250.00 1.385.1 -44.3 -198.0 20.27 1.33 1.33 1.360 11.00 250.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.466.0 10.00 250.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.466.0 10.00 250.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.466.0 10.00 250.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.466.0 10.00 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.566.0 10.30 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.566.0 10.30 253.70 1.56	°/100ft)
656.0 12.50 261.90 652.6 -7.9 42.0 42.6 1.34 1.33 686.0 13.00 261.90 681.9 -8.9 48.5 49.2 1.67 1.67 716.0 13.10 262.00 711.1 -9.8 -55.2 55.9 0.34 0.33 746.0 13.20 261.90 740.3 -10.8 -62.0 62.7 0.34 0.33 776.0 13.80 261.80 769.5 -11.8 -68.9 69.7 2.00 2.00 806.0 14.00 260.70 798.6 -12.9 -76.1 76.8 1.10 0.67 836.0 14.10 261.70 827.7 -14.0 83.2 84.1 0.88 0.33 866.0 13.00 261.60 886.0 -16.1 -97.3 98.2 26.7 -2.67 926.0 13.00 261.60 886.0 -16.1 -97.3 98.2 26.7 -2.67 926.0 12.30 260.80 915.3 -17.1 -103.8 104.7 24.1 -2.33 956.0 11.70 259.30 944.6 -18.1 -109.9 110.9 2.25 -2.00 986.0 11.60 257.10 974.0 -19.4 -115.8 117.0 1.52 -0.33 1.016.0 12.20 256.10 1,032.7 -22.2 -127.8 123.0 0.67 0.67 1,046.0 12.20 256.10 1,032.7 -22.2 -127.8 129.3 14.2 1.33 1.33 1.06.0 12.70 256.50 1,062.0 -23.7 -134.0 135.6 0.44 0.33 1.06.0 12.70 255.30 1,120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1,120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1,120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1,120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1,120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1,120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.6 -26.8 -146.8 148.8 1.34 1.00 1.260 12.0 255.30 1,20.5 -32.2 1.654 168.1 2.12 1.67 1.260 11.0 251.30 1,20.5 -32.2 1.654 168.1 2.12 1.67 1.67 1.260 11.0 251.30 1,20.5 -32.2 1.654 168.1 2.12 1.67 1.67 1.260 11.0 1.20 25	1.67
686.0 13.00 261.90 681.9 -8.9 -48.5 49.2 1.67 1.67 716.0 13.10 262.00 71.1.1 -9.8 -55.2 55.9 0.34 0.33 746.0 13.20 261.90 740.3 -10.8 -62.0 62.7 0.34 0.33 776.0 13.80 261.80 769.5 -11.8 -68.9 69.7 2.00 2.00 806.0 14.00 260.70 79.8 -12.9 -76.1 76.8 1.10 0.67 836.0 14.10 261.70 827.7 -14.0 -83.2 84.1 0.88 0.33 866.0 13.80 261.40 856.8 -15.0 -90.4 91.3 1.03 -1.00 896.0 13.00 261.60 886.0 -16.1 -97.3 98.2 267 -2.67 926.0 12.30 260.80 915.3 -17.1 -103.8 104.7 2.41 -2.33 956.0 11.70 259.30 944.6 -18.1 -109.9 110.9 2.25 -2.00 986.0 11.60 257.10 974.0 -19.4 -115.8 117.0 1.55 -0.33 1.016.0 11.80 257.00 1.003.4 -20.7 -121.8 123.0 0.67 0.67 1.046.0 12.20 256.10 1.032.7 -22.2 -127.8 123.3 1.47 1.33 1.136.0 13.00 256.50 1.091.3 -25.2 -140.3 142.1 1.33 1.33 1.136.0 13.00 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 254.80 1.149.8 -28.6 -153.3 155.5 1.07 -1.00 1.196.0 12.20 255.20 1.79.1 -30.3 -159.5 161.9 2.02 -1.67 1.226.0 11.70 259.30 1.237.9 -34.2 -171.0 174.1 2.07 -2.00 1.286.0 11.70 259.30 1.237.9 -34.2 -171.0 174.1 2.07 -2.00 1.286.0 11.70 259.30 1.208.5 -32.2 -165.4 168.1 2.12 -1.67 1.256.0 11.10 250.50 1.237.9 -34.2 -171.0 174.1 2.07 -2.00 1.286.0 11.00 249.20 1.267.3 -36.2 -176.4 179.8 0.90 0.33 1.316.0 11.30 255.30 1.326.1 -40.4 -187.4 191.5 0.39 -0.33 1.316.0 11.30 250.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.496.0 9.90 251.10 1.444.1 -47.9 -20.80 21.3 1.19 -0.00 1.496.0 9.90 251.10 1.444.1 -47.9 -20.80 21.3 1.19 -0.00 1.496.0 9.90 253.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.496.0 9.90 253.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.496.0 9.90 253.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.496.0 9.90 253.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.496.0 9.90 253.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.496.0 9.90 253.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.496.0 9.90 253.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.496.0 9.90 253.00 1.555.9 -58.8 -222 -262.3 3.05 5 0.33 1.596.0 10.30 253.00 1.555.9 -58.8 -222.3 223.3 0.55 0.33 1.596.0 10.30 253.00 1.555.9 -58.8 -224.4 233.6 1.34 1.33	0.33
716.0         13.10         262.00         711.1         -9.8         -55.2         55.9         0.34         0.33           746.0         13.20         261.90         740.3         -10.8         -62.0         62.7         0.34         0.33           776.0         13.80         2261.80         769.5         -11.8         -68.9         69.7         2.00         200           806.0         14.00         260.70         798.6         -12.9         -76.1         76.8         1.10         0.67           836.0         14.10         261.70         827.7         -14.0         -83.2         84.1         0.88         0.33           866.0         13.80         261.40         856.8         -15.0         -90.4         91.3         1.03         -100           896.0         13.00         261.60         886.0         -16.1         -97.3         98.2         2.67         -2.67           926.0         12.30         200.80         915.3         -17.1         -103.8         104.7         2.41         -2.33           956.0         11.70         259.30         944.6         -18.1         -109.9         110.9         2.25         -2.00           9	0.00
746.0 13.20 261.90 740.3 -10.8 -62.0 62.7 0.34 0.33 776.0 13.80 261.80 769.5 -11.8 -68.9 69.7 2.00 2.00 806.0 14.00 260.70 798.6 -12.9 -76.1 76.8 1.10 0.67 836.0 14.10 261.70 827.7 -14.0 -83.2 84.1 0.88 0.33 866.0 13.80 261.40 856.8 -15.0 -90.4 91.3 1.03 -1.00 896.0 13.00 261.60 886.0 -16.1 -97.3 98.2 2.67 -2.67 926.0 12.30 260.80 915.3 -17.1 -103.8 104.7 2.41 -2.33 956.0 11.70 259.30 944.6 -18.1 -109.9 110.9 2.25 -2.00 986.0 11.60 257.10 974.0 -19.4 -115.8 117.0 1.52 -0.33 1.016.0 11.80 257.00 1.003.4 -20.7 -121.8 123.0 0.67 0.67 1.046.0 12.20 256.10 1.032.7 -22.2 127.8 129.3 1.47 1.33 1.076.0 12.30 256.50 1.062.0 -23.7 -134.0 135.6 0.44 0.33 1.106.0 12.70 256.50 1.062.0 -23.7 -134.0 135.6 0.44 0.33 1.106.0 12.70 256.50 1.091.3 -252.8 1.40.8 148.8 1.34 1.00 1.166.0 12.70 254.80 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.20 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.20 255.20 1.179.1 -30.3 155.5 10.7 -1.00 1.266.0 11.70 250.50 1.237.9 -34.2 -171.0 174.1 2.07 -2.00 1.286.0 11.70 250.50 1.237.9 -34.2 -171.0 174.1 2.07 -2.00 1.286.0 11.10 250.50 1.267.9 -34.2 -171.0 174.1 2.07 -2.00 1.286.0 11.20 249.20 1.267.3 -36.2 -176.4 168.1 2.12 -1.67 1.256.0 11.10 250.50 1.267.9 -34.2 -171.0 174.1 2.07 -2.00 1.266.0 11.20 250.00 1.385.1 -44.3 -198.0 20.2 -1.75 1.50 0.99 0.33 1.376.0 10.90 250.00 1.385.1 -44.3 -198.0 20.7 1.33 1.33 1.33 1.360 0.00 255.30 1.355.1 -40.4 -187.4 191.5 0.39 0.33 1.376.0 10.90 250.00 1.385.1 -44.3 -198.0 20.2 7 1.33 1.33 1.33 1.360 0.00 250.00 1.385.1 -44.3 -198.0 20.2 7 1.33 1.33 1.33 1.360 0.00 250.00 1.385.1 -44.3 -198.0 20.2 7 1.33 1.87 -1.67 1.526.0 9.50 250.00 1.355.1 -40.4 -187.4 191.5 0.39 0.33 1.376.0 10.90 250.00 1.355.6 -42.4 -192.7 197.2 223.3 0.55 0.33 1.566.0 9.90 253.90 1.552.9 -52.3 2.27.4 233.6 1.34 1.33 1.33 1.566.0 10.30 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.33 1.566.0 10.30 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.566.0 10.30 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.566.0 10.30 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.33 1.566.0 10.30 253	
776.0	0.33
806.0 14.00 260.70 798.6 -12.9 -76.1 76.8 1.10 0.67 836.0 14.10 261.70 827.7 -14.0 -83.2 84.1 0.88 0.33 866.0 13.80 261.40 856.8 -15.0 -90.4 91.3 1.03 -1.00 896.0 13.00 261.60 886.0 -16.1 -97.3 98.2 2.67 -2.67 926.0 12.30 260.80 915.3 -17.1 103.8 104.7 2.41 -2.33 956.0 11.70 259.30 944.6 -18.1 -109.9 110.9 2.25 -2.00 986.0 11.60 257.10 974.0 -19.4 -115.8 117.0 1.52 -0.33 1.016.0 11.80 257.00 1.003.4 -20.7 -121.8 123.0 0.67 0.67 1.046.0 12.20 256.10 1.032.7 -22.2 -127.8 123.0 0.67 0.67 1.046.0 12.30 256.50 1.062.0 -23.7 -134.0 135.6 0.44 0.33 1.106.0 12.70 256.50 1.091.3 -25.2 -140.3 142.1 1.33 1.33 1.136.0 13.00 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 254.80 1.149.8 -28.6 -153.3 155.5 1.07 -1.00 1.196.0 12.20 253.20 1.179.1 -30.3 -159.5 161.9 2.02 -1.67 1.226.0 11.70 251.30 1.208.5 -32.2 -165.4 168.1 2.12 -1.67 1.226.0 11.10 250.50 1.237.9 -34.2 -171.0 174.1 2.07 -2.00 1.286.0 11.20 249.20 1.267.3 -36.2 -176.4 179.8 0.90 0.33 1.316.0 13.03 248.80 1.296.7 -38.3 -181.9 185.7 0.42 0.33 1.360 1.300 250.00 1.355.6 -42.4 -192.7 197.2 1.15 0.39 -0.33 1.360.0 10.90 250.00 1.355.6 -42.4 -192.7 197.2 1.15 0.39 -0.33 1.360.0 10.50 250.00 1.355.6 -42.4 -192.7 197.2 1.15 0.39 -0.33 1.360.0 10.50 250.00 1.355.6 -42.4 -192.7 197.2 1.15 0.39 -0.33 1.360.0 10.50 250.00 1.355.6 -42.4 -192.7 197.2 1.15 0.39 -0.33 1.360.0 10.50 250.00 1.355.6 -42.4 -192.7 197.2 1.15 0.00 1.466.0 9.90 251.10 1.444.1 -47.9 -208.0 213.3 1.19 -1.00 1.466.0 9.90 253.40 1.503.3 -50.9 -217.5 223.3 0.55 0.33 1.556.0 9.90 253.40 1.503.3 -50.9 -217.5 223.3 0.55 0.33 1.566.0 9.90 253.90 1.532.9 -52.3 -222.3 228.3 1.36 1.33 1.560.0 10.30 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.560.0 10.30 253.70 1.565.4 -53.8 -227.4 233.6 1.34 1.33 1.560.0 10.30 253.70 1.565.4 -53.8 -227.4 233.6 1.34 1.33 1.560.0 10.30 253.70 1.565.4 -53.8 -227.4 233.6 1.34 1.33 1.560.0 10.30 253.70 1.565.5 -58.8 -244.8 251.7 3.33 3.33 1.560.0 13.00 253.70 1.565.5 -58.8 -244.8 251.7 3.33 3.33 1.560.0 10.30 253.70 1.565.5 -58.8 -244.8 251.7 3.33 3.30	-0.33
836.0         14.10         261.70         827.7         -14.0         -83.2         84.1         0.88         0.33           866.0         13.80         261.40         856.8         -15.0         -90.4         91.3         1.03         -1.00           986.0         13.00         260.80         915.3         -17.1         -103.8         104.7         2.41         -2.33           956.0         11.70         259.30         944.6         -18.1         -109.9         111.09         110.9         2.25         -2.00           986.0         11.60         257.10         974.0         -19.4         -115.8         117.0         1.52         -0.33           1,016.0         11.80         257.00         1,003.4         -20.7         -121.8         123.0         0.67         0.67           1,046.0         12.20         256.10         1,032.7         -22.2         -127.8         123.0         0.67         0.67           1,046.0         12.20         256.50         1,091.3         -25.2         -140.3         142.1         1.33         1.33           1,156.0         12.70         256.50         1,091.3         -25.2         -140.3         142.1         1.33	-0.33
866.0         13.80         261.40         856.8         -15.0         -90.4         91.3         1.03         -1.00           886.0         13.00         261.60         886.0         -16.1         -97.3         98.2         2.67         -2.67           926.0         12.30         260.80         915.3         -17.1         -103.8         104.7         2.41         -2.33           956.0         11.70         259.30         944.6         -18.1         -109.9         110.9         2.25         -2.00           986.0         11.60         257.10         974.0         -19.4         -115.8         117.0         1.52         -0.33           1,016.0         11.80         257.00         1,003.4         -20.7         -121.8         123.0         0.67         0.67           1,046.0         12.20         256.10         1,032.7         -22.2         -127.8         129.3         1.47         1.33           1,076.0         12.30         256.50         1,062.0         -23.7         -134.0         135.6         0.44         0.33           1,136.0         13.00         255.30         1,120.6         -26.8         -146.8         148.8         1.34         1.00	-3.67
896.0       13.00       261.60       886.0       -16.1       -97.3       98.2       2.67       -2.67         926.0       12.30       260.80       915.3       -17.1       -103.8       104.7       2.41       -2.33         956.0       11.70       259.30       944.6       -18.1       -109.9       110.9       2.25       -2.00         986.0       11.60       257.10       974.0       -19.4       -115.8       117.0       1.52       -0.33         1,016.0       11.80       257.00       1,003.4       -20.7       -121.8       123.0       0.67       0.67         1,046.0       12.20       256.10       1,032.7       -22.2       -127.8       129.3       1.47       1.33         1,076.0       12.30       256.50       1,062.0       -23.7       -134.0       135.6       0.44       0.33         1,106.0       12.70       256.50       1,091.3       -25.2       -140.3       142.1       1.33       1.33         1,136.0       13.00       255.30       1,149.8       -28.6       -153.3       155.5       1.07       -1.00         1,196.0       12.20       253.20       1,179.1       -30.3       -159.5 <td>3.33</td>	3.33
886.0         13.00         261.60         886.0         -16.1         -97.3         98.2         2.67         -2.67           926.0         12.30         260.80         915.3         -17.1         -103.8         104.7         2.41         -2.33           956.0         11.70         259.30         944.6         -18.1         -109.9         110.9         2.25         -2.00           986.0         11.60         257.10         974.0         -19.4         -115.8         117.0         1.52         -0.33           1,016.0         11.80         257.00         1,003.4         -20.7         -121.8         129.3         1.47         1.33           1,076.0         12.20         256.10         1,032.7         -22.2         -127.8         129.3         1.47         1.33           1,076.0         12.20         256.50         1,062.0         -23.7         -134.0         135.6         0.44         0.33           1,106.0         12.70         256.50         1,091.3         -25.2         -140.3         142.1         1.33         1.33           1,136.0         13.00         253.20         1,149.8         -28.6         -153.3         155.5         1.07         -1.00 <td>-1.00</td>	-1.00
926.0 12.30 260.80 915.3 -17.1 -103.8 104.7 2.41 -2.33 956.0 11.70 259.30 944.6 -18.1 -109.9 110.9 2.25 -2.00 986.0 11.60 257.10 974.0 -19.4 -115.8 117.0 1.52 -0.33 1.016.0 11.80 257.00 1.003.4 -20.7 -121.8 123.0 0.67 0.67 1.046.0 12.20 256.10 1.032.7 -22.2 -127.8 129.3 1.47 1.33 1.076.0 12.30 256.50 1.062.0 -23.7 -134.0 135.6 0.44 0.33 1.076.0 12.70 256.50 1.091.3 -25.2 -140.3 142.1 1.33 1.33 1.33 1.36.0 13.00 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 254.80 1.149.8 -28.6 -153.3 155.5 1.07 -1.00 1.196.0 12.20 253.20 1.179.1 -30.3 -159.5 161.9 2.02 -1.67 1.226.0 11.70 251.30 1.208.5 -32.2 -165.4 168.1 2.12 -1.67 1.226.0 11.10 250.50 1.237.9 -34.2 -171.0 174.1 2.07 -2.00 1.286.0 11.20 249.20 1.267.3 -36.2 -176.4 179.8 0.90 0.33 1.316.0 11.30 248.80 1.296.7 -38.3 -181.9 185.7 0.42 0.33 1.376.0 10.90 250.00 1.356.1 -40.4 -187.4 191.5 0.39 -0.33 1.376.0 10.90 250.00 1.356.1 -44.3 -198.0 202.7 1.33 -1.33 1.376.0 10.90 250.00 1.356.1 -44.3 -198.0 202.7 1.33 -1.33 1.376.0 10.90 250.00 1.356.1 -44.3 -198.0 202.7 1.33 -1.33 1.376.0 10.90 250.00 1.356.1 -44.3 -198.0 202.7 1.33 -1.33 1.36.0 10.20 250.00 1.414.6 -46.1 -203.0 208.1 1.00 -1.00 1.466.0 9.90 251.10 1.444.1 -47.9 -208.0 213.3 1.19 -1.00 1.466.0 9.90 251.10 1.444.1 -47.9 -208.0 213.3 1.87 -1.67 1.526.0 9.50 253.90 1.532.9 -52.3 -222.3 22.3 22.3 3.0.55 0.33 1.556.0 9.90 253.90 1.532.9 -52.3 -222.7 239.2 3.01 3.0 1.90 1.446.0 12.0 253.80 1.503.3 -50.9 -217.5 223.3 0.55 0.33 1.556.0 9.90 253.90 1.532.9 -52.3 -222.7 239.2 3.01 3.0 1.30 1.446.0 12.00 253.80 1.503.3 -50.9 -217.5 223.3 0.55 0.33 1.556.0 9.90 253.90 1.532.9 -55.3 -222.7 239.2 3.01 3.0 1.30 1.646.0 12.00 253.80 1.621.3 -57.0 -238.5 245.2 2.67 2.67 2.67 1.666.0 13.00 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.566.0 13.00 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.566.0 13.00 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.566.0 13.00 253.70 1.562.4 -53.8 -244.8 251.7 3.33 3.33 1.566.0 13.00 253.70 1.562.8 -53.8 -244.8 251.7 3.33 3.33 1.566.0 13.00 253.70 1.562.8 -53.8 -244.8 251.7 3.33	0.67
986.0 11.70 259.30 944.6 -18.1 -109.9 110.9 2.25 -2.00 986.0 11.60 257.10 974.0 -19.4 -115.8 117.0 1.52 -0.33 1.016.0 11.80 257.00 1.003.4 -20.7 -121.8 123.0 0.67 0.67 1.046.0 12.20 256.10 1.032.7 -22.2 -127.8 129.3 1.47 1.33 1.076.0 12.30 256.50 1.062.0 -23.7 -134.0 135.6 0.44 0.33 1.106.0 12.70 256.50 1.091.3 -25.2 -140.3 142.1 1.33 1.33 1.136.0 13.00 255.30 1.120.6 -26.8 -146.8 148.8 1.34 1.00 1.166.0 12.70 254.80 1.149.8 -28.6 -153.3 155.5 1.07 -1.00 1.196.0 12.20 253.20 1.179.1 -30.3 -159.5 161.9 2.02 -1.67 1.226.0 11.70 251.30 1.208.5 -32.2 -165.4 168.1 2.12 -1.67 1.226.0 11.70 250.50 1.237.9 -34.2 -171.0 174.1 2.07 -2.00 1.286.0 11.20 249.20 1.267.3 -36.2 -176.4 179.8 0.90 0.33 1.346.0 11.20 249.20 1.267.3 -36.2 -176.4 179.8 0.90 0.33 1.376.0 11.20 249.10 1.326.1 -40.4 -187.4 191.5 0.39 -0.33 1.376.0 10.90 250.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.406.0 10.50 250.00 1.385.1 -44.3 -198.0 202.7 1.33 -1.33 1.36.0 10.20 250.00 1.385.1 -44.3 -198.0 202.7 1.33 -1.33 1.36.0 10.20 250.00 1.385.1 -44.3 -198.0 202.7 1.33 -1.33 1.36.0 10.20 250.00 1.385.1 -44.3 -198.0 202.7 1.33 -1.33 1.36.0 10.20 250.00 1.385.1 -44.3 -198.0 202.7 1.33 -1.33 1.436.0 10.20 250.00 1.385.1 -44.3 -198.0 202.7 1.33 -1.33 1.436.0 10.20 250.00 1.385.1 -44.3 -198.0 202.7 1.33 1.39 -1.00 1.406.0 10.50 250.00 1.385.1 -44.3 -198.0 202.7 1.33 1.39 -1.00 1.406.0 10.50 250.00 1.385.1 -44.3 -198.0 202.7 1.33 1.39 -1.00 1.406.0 10.50 250.00 1.385.1 -44.3 -198.0 202.7 1.33 1.39 -1.00 1.406.0 10.50 250.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.406.0 10.50 250.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.406.0 10.50 250.00 1.355.6 -42.4 -192.7 197.2 1.15 -1.00 1.406.0 10.50 250.00 1.355.6 -55.8 -22.2 2.23 228.3 1.36 1.33 1.33 1.356.0 1.30 253.70 1.562.4 -53.8 -227.4 233.3 0.55 0.33 1.556.0 1.30 253.70 1.562.4 -53.8 -227.4 233.3 0.55 0.33 1.556.0 1.30 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.33 1.560.0 1.300 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.33 1.560.0 1.300 253.70 1.562.4 -53.8 -227.4 233.6 1.34 1.33 1.33 1.560.0 1.300 253.70 1.5	-2.67
1,016.0       11.80       257.00       1,003.4       -20.7       -121.8       123.0       0.67       0.67         1,046.0       12.20       256.10       1,032.7       -22.2       -127.8       129.3       1.47       1.33         1,076.0       12.30       256.50       1,062.0       -23.7       -134.0       135.6       0.44       0.33         1,106.0       12.70       256.50       1,091.3       -25.2       -140.3       142.1       1.33       1.33         1,136.0       13.00       255.30       1,120.6       -26.8       -146.8       148.8       1.34       1.00         1,166.0       12.70       254.80       1,149.8       -28.6       -153.3       155.5       1.07       -1.00         1,196.0       12.20       253.20       1,179.1       -30.3       -159.5       161.9       2.02       -1.67         1,256.0       11.10       250.50       1,237.9       -34.2       -171.0       174.1       2.07       -2.00         1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3	-5.00
1,016.0       11.80       257.00       1,003.4       -20.7       -121.8       123.0       0.67       0.67         1,046.0       12.20       256.10       1,032.7       -22.2       -127.8       129.3       1,47       1,33         1,076.0       12.30       256.50       1,062.0       -23.7       -134.0       135.6       0.44       0.33         1,106.0       12.70       256.50       1,091.3       -25.2       -140.3       142.1       1,33       1,33         1,136.0       13.00       255.30       1,120.6       -26.8       -146.8       148.8       1,34       1.00         1,166.0       12.70       254.80       1,149.8       -28.6       -153.3       155.5       1,07       -1.00         1,196.0       12.20       253.20       1,179.1       -30.3       -159.5       161.9       2.02       -1.67         1,256.0       11.10       250.50       1,237.9       -34.2       -171.0       174.1       2.07       -2.00         1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3	-7.33
1,046.0       12.20       256.10       1,032.7       -22.2       -127.8       129.3       1.47       1.33         1,076.0       12.30       256.50       1,062.0       -23.7       -134.0       135.6       0.44       0.33         1,106.0       12.70       256.50       1,091.3       -25.2       -140.3       142.1       1.33       1.33         1,136.0       13.00       255.30       1,120.6       -26.8       -146.8       148.8       1.34       1.00         1,166.0       12.70       254.80       1,149.8       -28.6       -153.3       155.5       1.07       -1.00         1,196.0       12.20       253.20       1,179.1       -30.3       -159.5       161.9       2.02       -1.67         1,256.0       11.70       251.30       1,208.5       -32.2       -165.4       168.1       2.12       -1.67         1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3       -181.9       185.7       0.42       0.33         1,346.0       11.20       249.10       1,326.1       -40.4	-0.33
1,076.0       12.30       256.50       1,062.0       -23.7       -134.0       135.6       0.44       0.33         1,106.0       12.70       256.50       1,091.3       -25.2       -140.3       142.1       1.33       1.33         1,136.0       13.00       255.30       1,120.6       -26.8       -146.8       148.8       1.34       1.00         1,166.0       12.70       254.80       1,149.8       -28.6       -153.3       155.5       1.07       -1.00         1,196.0       12.20       253.20       1,179.1       -30.3       -159.5       161.9       2.02       -1.67         1,226.0       11.70       251.30       1,208.5       -32.2       -165.4       168.1       2.12       -1.67         1,256.0       11.10       250.50       1,237.9       -34.2       -171.0       174.1       2.07       -2.00         1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3       -181.9       185.7       0.42       0.33         1,376.0       10.90       250.00       1,355.6       -42.4	-3.00
1,106.0       12.70       256.50       1,091.3       -25.2       -140.3       142.1       1.33       1.33         1,136.0       13.00       255.30       1,120.6       -26.8       -146.8       148.8       1.34       1.00         1,166.0       12.70       254.80       1,149.8       -28.6       -153.3       155.5       1.07       -1.00         1,196.0       12.20       253.20       1,179.1       -30.3       -159.5       161.9       2.02       -1.67         1,226.0       11.70       251.30       1,208.5       -32.2       -165.4       168.1       2.12       -1.67         1,256.0       11.10       250.50       1,237.9       -34.2       -171.0       174.1       2.07       -2.00         1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3       -181.9       185.7       0.42       0.33         1,346.0       11.20       249.10       1,326.1       -40.4       -187.4       191.5       0.39       -0.33         1,376.0       10.90       250.00       1,385.6       -42.4	1.33
1,136.0       13.00       255.30       1,120.6       -26.8       -146.8       148.8       1.34       1.00         1,166.0       12.70       254.80       1,149.8       -28.6       -153.3       155.5       1.07       -1.00         1,196.0       12.20       253.20       1,179.1       -30.3       -159.5       161.9       2.02       -1.67         1,226.0       11.70       251.30       1,208.5       -32.2       -165.4       168.1       2.12       -1.67         1,256.0       11.10       250.50       1,237.9       -34.2       -171.0       174.1       2.07       -2.00         1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3       -181.9       185.7       0.42       0.33         1,346.0       11.20       249.10       1,326.1       -40.4       -187.4       191.5       0.39       -0.33         1,376.0       10.90       250.00       1,385.1       -44.3       -198.0       202.7       1.33       -1.33         1,406.0       10.50       250.00       1,444.6       -46.1	0.00
1,166.0       12.70       254.80       1,149.8       -28.6       -153.3       155.5       1.07       -1.00         1,196.0       12.20       253.20       1,179.1       -30.3       -159.5       161.9       2.02       -1.67         1,226.0       11.70       251.30       1,208.5       -32.2       -165.4       168.1       2.12       -1.67         1,256.0       11.10       250.50       1,237.9       -34.2       -171.0       174.1       2.07       -2.00         1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3       -181.9       185.7       0.42       0.33         1,346.0       11.20       249.10       1,326.1       -40.4       -187.4       191.5       0.39       -0.33         1,376.0       10.90       250.00       1,355.6       -42.4       -192.7       197.2       1.15       -1.00         1,406.0       10.50       250.00       1,385.1       -44.3       -198.0       202.7       1.33       -1.33         1,436.0       10.20       250.00       1,444.4       -47.9	-4.00
1,196.0       12.20       253.20       1,179.1       -30.3       -159.5       161.9       2.02       -1.67         1,226.0       11.70       251.30       1,208.5       -32.2       -165.4       168.1       2.12       -1.67         1,256.0       11.10       250.50       1,237.9       -34.2       -171.0       174.1       2.07       -2.00         1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3       -181.9       185.7       0.42       0.33         1,346.0       11.20       249.10       1,326.1       -40.4       -187.4       191.5       0.39       -0.33         1,376.0       10.90       250.00       1,385.6       -42.4       -192.7       197.2       1.15       -1.00         1,406.0       10.50       250.00       1,385.1       -44.3       -198.0       202.7       1.33       -1.33         1,436.0       10.20       250.00       1,414.6       -46.1       -203.0       208.1       1.00       -1.00         1,466.0       9.90       251.10       1,444.1       -47.9	
1,226.0       11.70       251.30       1,208.5       -32.2       -165.4       168.1       2.12       -1.67         1,256.0       11.10       250.50       1,237.9       -34.2       -171.0       174.1       2.07       -2.00         1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3       -181.9       185.7       0.42       0.33         1,346.0       11.20       249.10       1,326.1       -40.4       -187.4       191.5       0.39       -0.33         1,376.0       10.90       250.00       1,355.6       -42.4       -192.7       197.2       1.15       -1.00         1,406.0       10.50       250.00       1,385.1       -44.3       -198.0       202.7       1.33       -1.33         1,436.0       10.20       250.00       1,414.6       -46.1       -203.0       208.1       1.00       -1.00         1,466.0       9.90       251.10       1,444.1       -47.9       -208.0       213.3       1.19       -1.00         1,526.0       9.50       253.40       1,503.3       -50.9	-1.67
1,256.0       11.10       250.50       1,237.9       -34.2       -171.0       174.1       2.07       -2.00         1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3       -181.9       185.7       0.42       0.33         1,346.0       11.20       249.10       1,326.1       -40.4       -187.4       191.5       0.39       -0.33         1,376.0       10.90       250.00       1,355.6       -42.4       -192.7       197.2       1.15       -1.00         1,406.0       10.50       250.00       1,385.1       -44.3       -198.0       202.7       1.33       -1.33         1,436.0       10.20       250.00       1,414.6       -46.1       -203.0       208.1       1.00       -1.00         1,466.0       9.90       251.10       1,444.1       -47.9       -208.0       213.3       1.19       -1.00         1,496.0       9.40       252.60       1,473.7       -49.4       -212.8       218.3       1.87       -1.67         1,526.0       9.50       253.40       1,503.3       -50.9	-5.33 6.33
1,286.0       11.20       249.20       1,267.3       -36.2       -176.4       179.8       0.90       0.33         1,316.0       11.30       248.80       1,296.7       -38.3       -181.9       185.7       0.42       0.33         1,346.0       11.20       249.10       1,326.1       -40.4       -187.4       191.5       0.39       -0.33         1,376.0       10.90       250.00       1,355.6       -42.4       -192.7       197.2       1.15       -1.00         1,406.0       10.50       250.00       1,385.1       -44.3       -198.0       202.7       1.33       -1.33         1,436.0       10.20       250.00       1,414.6       -46.1       -203.0       208.1       1.00       -1.00         1,466.0       9.90       251.10       1,444.1       -47.9       -208.0       213.3       1.19       -1.00         1,496.0       9.40       252.60       1,473.7       -49.4       -212.8       218.3       1.87       -1.67         1,526.0       9.50       253.40       1,503.3       -50.9       -217.5       223.3       0.55       0.33         1,556.0       9.90       253.90       1,532.9       -52.3	-6.33 -2.67
1,316.0       11.30       248.80       1,296.7       -38.3       -181.9       185.7       0.42       0.33         1,346.0       11.20       249.10       1,326.1       -40.4       -187.4       191.5       0.39       -0.33         1,376.0       10.90       250.00       1,355.6       -42.4       -192.7       197.2       1,15       -1.00         1,406.0       10.50       250.00       1,385.1       -44.3       -198.0       202.7       1.33       -1.33         1,436.0       10.20       250.00       1,414.6       -46.1       -203.0       208.1       1.00       -1.00         1,466.0       9.90       251.10       1,444.1       -47.9       -208.0       213.3       1.19       -1.00         1,496.0       9.40       252.60       1,473.7       -49.4       -212.8       218.3       1.87       -1.67         1,526.0       9.50       253.40       1,503.3       -50.9       -217.5       223.3       0.55       0.33         1,556.0       9.90       253.90       1,532.9       -52.3       -222.3       228.3       1.36       1.33         1,586.0       10.30       253.70       1,562.4       -53.8	-2.67 -4.33
1,346.0       11.20       249.10       1,326.1       -40.4       -187.4       191.5       0.39       -0.33         1,376.0       10.90       250.00       1,355.6       -42.4       -192.7       197.2       1.15       -1.00         1,406.0       10.50       250.00       1,385.1       -44.3       -198.0       202.7       1.33       -1.33         1,436.0       10.20       250.00       1,414.6       -46.1       -203.0       208.1       1.00       -1.00         1,466.0       9.90       251.10       1,444.1       -47.9       -208.0       213.3       1.19       -1.00         1,496.0       9.40       252.60       1,473.7       -49.4       -212.8       218.3       1.87       -1.67         1,526.0       9.50       253.40       1,503.3       -50.9       -217.5       223.3       0.55       0.33         1,556.0       9.90       253.90       1,532.9       -52.3       -222.3       228.3       1.36       1.33         1,586.0       10.30       253.70       1,562.4       -53.8       -227.4       233.6       1.34       1.33         1,616.0       11.20       254.10       1,591.9       -55.3	
1,376.0       10.90       250.00       1,355.6       -42.4       -192.7       197.2       1.15       -1.00         1,406.0       10.50       250.00       1,385.1       -44.3       -198.0       202.7       1.33       -1.33         1,436.0       10.20       250.00       1,414.6       -46.1       -203.0       208.1       1.00       -1.00         1,466.0       9.90       251.10       1,444.1       -47.9       -208.0       213.3       1.19       -1.00         1,496.0       9.40       252.60       1,473.7       -49.4       -212.8       218.3       1.87       -1.67         1,526.0       9.50       253.40       1,503.3       -50.9       -217.5       223.3       0.55       0.33         1,556.0       9.90       253.90       1,532.9       -52.3       -222.3       228.3       1.36       1.33         1,586.0       10.30       253.70       1,562.4       -53.8       -227.4       233.6       1.34       1.33         1,616.0       11.20       254.10       1,591.9       -55.3       -232.7       239.2       3.01       3.00         1,646.0       12.00       253.80       1,621.3       -57.0	-1.33
1,406.0       10.50       250.00       1,385.1       -44.3       -198.0       202.7       1.33       -1.33         1,436.0       10.20       250.00       1,414.6       -46.1       -203.0       208.1       1.00       -1.00         1,466.0       9.90       251.10       1,444.1       -47.9       -208.0       213.3       1.19       -1.00         1,496.0       9.40       252.60       1,473.7       -49.4       -212.8       218.3       1.87       -1.67         1,526.0       9.50       253.40       1,503.3       -50.9       -217.5       223.3       0.55       0.33         1,556.0       9.90       253.90       1,532.9       -52.3       -222.3       228.3       1.36       1.33         1,586.0       10.30       253.70       1,562.4       -53.8       -227.4       233.6       1.34       1.33         1,616.0       11.20       254.10       1,591.9       -55.3       -232.7       239.2       3.01       3.00         1,646.0       12.00       253.80       1,621.3       -57.0       -238.5       245.2       2.67       2.67         1,676.0       13.80       253.70       1,650.5       -58.8       <	1.00
1,436.0       10.20       250.00       1,414.6       -46.1       -203.0       208.1       1.00       -1.00         1,466.0       9.90       251.10       1,444.1       -47.9       -208.0       213.3       1.19       -1.00         1,496.0       9.40       252.60       1,473.7       -49.4       -212.8       218.3       1.87       -1.67         1,526.0       9.50       253.40       1,503.3       -50.9       -217.5       223.3       0.55       0.33         1,556.0       9.90       253.90       1,532.9       -52.3       -222.3       228.3       1.36       1.33         1,586.0       10.30       253.70       1,562.4       -53.8       -227.4       233.6       1.34       1.33         1,616.0       11.20       254.10       1,591.9       -55.3       -232.7       239.2       3.01       3.00         1,646.0       12.00       253.80       1,621.3       -57.0       -238.5       245.2       2.67       2.67         1,676.0       13.80       253.70       1,650.5       -58.8       -244.8       251.7       3.33       3.33         1,706.0       13.80       253.60       1,679.7       -60.8 <t< th=""><th>3.00</th></t<>	3.00
1,466.0       9.90       251.10       1,444.1       -47.9       -208.0       213.3       1.19       -1.00         1,496.0       9.40       252.60       1,473.7       -49.4       -212.8       218.3       1.87       -1.67         1,526.0       9.50       253.40       1,503.3       -50.9       -217.5       223.3       0.55       0.33         1,556.0       9.90       253.90       1,532.9       -52.3       -222.3       228.3       1.36       1.33         1,586.0       10.30       253.70       1,562.4       -53.8       -227.4       233.6       1.34       1.33         1,616.0       11.20       254.10       1,591.9       -55.3       -232.7       239.2       3.01       3.00         1,646.0       12.00       253.80       1,621.3       -57.0       -238.5       245.2       2.67       2.67         1,676.0       13.00       253.70       1,650.5       -58.8       -244.8       251.7       3.33       3.33         1,706.0       13.80       253.60       1,679.7       -60.8       -251.5       258.6       2.67       2.67         1,736.0       14.70       253.20       1,708.8       -62.9 <td< th=""><th>0.00</th></td<>	0.00
1,496.0       9.40       252.60       1,473.7       -49.4       -212.8       218.3       1.87       -1.67         1,526.0       9.50       253.40       1,503.3       -50.9       -217.5       223.3       0.55       0.33         1,556.0       9.90       253.90       1,532.9       -52.3       -222.3       228.3       1.36       1.33         1,586.0       10.30       253.70       1,562.4       -53.8       -227.4       233.6       1.34       1.33         1,616.0       11.20       254.10       1,591.9       -55.3       -232.7       239.2       3.01       3.00         1,646.0       12.00       253.80       1,621.3       -57.0       -238.5       245.2       2.67       2.67         1,676.0       13.00       253.70       1,650.5       -58.8       -244.8       251.7       3.33       3.33         1,706.0       13.80       253.60       1,679.7       -60.8       -251.5       258.6       2.67       2.67         1,736.0       14.70       253.20       1,708.8       -62.9       -258.5       266.0       3.02       3.00	0.00
1,526.0       9.50       253.40       1,503.3       -50.9       -217.5       223.3       0.55       0.33         1,556.0       9.90       253.90       1,532.9       -52.3       -222.3       228.3       1.36       1.33         1,586.0       10.30       253.70       1,562.4       -53.8       -227.4       233.6       1.34       1.33         1,616.0       11.20       254.10       1,591.9       -55.3       -232.7       239.2       3.01       3.00         1,646.0       12.00       253.80       1,621.3       -57.0       -238.5       245.2       2.67       2.67         1,676.0       13.00       253.70       1,650.5       -58.8       -244.8       251.7       3.33       3.33         1,706.0       13.80       253.60       1,679.7       -60.8       -251.5       258.6       2.67       2.67         1,736.0       14.70       253.20       1,708.8       -62.9       -258.5       266.0       3.02       3.00	3.67
1,556.0       9.90       253.90       1,532.9       -52.3       -222.3       228.3       1.36       1.33         1,586.0       10.30       253.70       1,562.4       -53.8       -227.4       233.6       1.34       1.33         1,616.0       11.20       254.10       1,591.9       -55.3       -232.7       239.2       3.01       3.00         1,646.0       12.00       253.80       1,621.3       -57.0       -238.5       245.2       2.67       2.67         1,676.0       13.00       253.70       1,650.5       -58.8       -244.8       251.7       3.33       3.33         1,706.0       13.80       253.60       1,679.7       -60.8       -251.5       258.6       2.67       2.67         1,736.0       14.70       253.20       1,708.8       -62.9       -258.5       266.0       3.02       3.00	5.00
1,586.0       10.30       253.70       1,562.4       -53.8       -227.4       233.6       1.34       1.33         1,616.0       11.20       254.10       1,591.9       -55.3       -232.7       239.2       3.01       3.00         1,646.0       12.00       253.80       1,621.3       -57.0       -238.5       245.2       2.67       2.67         1,676.0       13.00       253.70       1,650.5       -58.8       -244.8       251.7       3.33       3.33         1,706.0       13.80       253.60       1,679.7       -60.8       -251.5       258.6       2.67       2.67         1,736.0       14.70       253.20       1,708.8       -62.9       -258.5       266.0       3.02       3.00	2.67
1,616.0       11.20       254.10       1,591.9       -55.3       -232.7       239.2       3.01       3.00         1,646.0       12.00       253.80       1,621.3       -57.0       -238.5       245.2       2.67       2.67         1,676.0       13.00       253.70       1,650.5       -58.8       -244.8       251.7       3.33       3.33         1,706.0       13.80       253.60       1,679.7       -60.8       -251.5       258.6       2.67       2.67         1,736.0       14.70       253.20       1,708.8       -62.9       -258.5       266.0       3.02       3.00	1.67
1,646.0       12.00       253.80       1,621.3       -57.0       -238.5       245.2       2.67       2.67         1,676.0       13.00       253.70       1,650.5       -58.8       -244.8       251.7       3.33       3.33         1,706.0       13.80       253.60       1,679.7       -60.8       -251.5       258.6       2.67       2.67         1,736.0       14.70       253.20       1,708.8       -62.9       -258.5       266.0       3.02       3.00	-0.67
1,646.0     12.00     253.80     1,621.3     -57.0     -238.5     245.2     2.67     2.67       1,676.0     13.00     253.70     1,650.5     -58.8     -244.8     251.7     3.33     3.33       1,706.0     13.80     253.60     1,679.7     -60.8     -251.5     258.6     2.67     2.67       1,736.0     14.70     253.20     1,708.8     -62.9     -258.5     266.0     3.02     3.00	1.33
1,676.0     13.00     253.70     1,650.5     -58.8     -244.8     251.7     3.33     3.33       1,706.0     13.80     253.60     1,679.7     -60.8     -251.5     258.6     2.67     2.67       1,736.0     14.70     253.20     1,708.8     -62.9     -258.5     266.0     3.02     3.00	-1.00
1,706.0     13.80     253.60     1,679.7     -60.8     -251.5     258.6     2.67     2.67       1,736.0     14.70     253.20     1,708.8     -62.9     -258.5     266.0     3.02     3.00	-0.33
1,736.0 14.70 253.20 1,708.8 -62.9 -258.5 266.0 3.02 3.00	-0.33
1.766.0 15.70 253.10 1.737.8 -65.2 -266.1 273.9 3.33 3.33	-1.33
	-0.33
1,796.0 15.80 252.70 1,766.6 -67.5 -273.8 282.0 0.49 0.33	-1.33
1,826.0 16.20 252.40 1,795.5 -70.0 -281.7 290.3 1.36 1.33	-1.00
1,856.0 16.80 253.00 1,824.2 -72.6 -289.9 298.8 2.08 2.00	2.00
1,886.0 17.40 253.60 1,852.9 -75.1 -298.3 307.6 2.08 2.00	2.00
,	2.33
1,916.0 18.30 254.30 1,881.5 -77.6 -307.1 316.8 3.08 3.00 1,946.0 18.50 254.60 1,909.9 -80.2 -316.3 326.3 0.74 0.67	2.33 1.00
1,946.0 18.50 254.60 1,909.9 -80.2 -316.3 326.3 0.74 0.67 1,976.0 18.70 254.60 1,938.4 -82.7 -325.5 335.8 0.67 0.67	0.00
2,006.0 19.10 254.40 1,966.7 -85.3 -334.9 345.5 1.35 1.33	-0.67
2,006.0 19.10 254.40 1,966.7 -65.3 -534.5 345.5 1.55 1.55 2,036.0 19.20 255.00 1,995.1 -87.9 -344.4 355.4 0.74 0.33	2.00
2,066.0 19.20 254.80 2,023.4 -90.5 -353.9 365.3 0.22 0.00	-0.67
2,096.0 18.90 253.90 2,051.8 -93.1 -363.3 375.0 1.40 -1.00	-3.00
2,126.0 18.80 253.50 2,080.2 -95.8 -372.6 384.7 0.54 -0.33	-1.33
2,156.0 18.80 252.70 2,108.6 -98.7 -381.9 394.4 0.86 0.00	-2.67
2,186.0 18.90 252.00 2,136.9 -101.6 -391.1 404.1 0.82 0.33	-2.33
2,216.0 19.00 251.40 2,165.3 -104.6 -400.3 413.8 0.73 0.33	-2.00





Company: Project:

Wellbore:

Design:

EOG Resources Uintah County Utah

Site: Well: Chapita Well Unit 1541- 1546-26D

CWU #1546-26D Wellbore #1 Wellbore #1 Local Co-ordinate Reference:

TVD Reference; MD Reference; North Reference;

Survey Calculation Method: Database:

Well CWU #1546-26D

True #34 @ 5034.0ft (RKB Elev.) True #34 @ 5034.0ft (RKB Elev.)

True

Minimum Curvature

	s distributions are non-upones a	the color control wheat was the color of the color of	in a salan dalah berhiri dalah dan dan	orace de la companya de la companya de la companya de la companya de la companya de la companya de la companya			General et en en en en en en en en en en en en en		in consultation of the new party of the second control of the seco
Survey		D40303096-962-3600-040304-0-785-96	sakat dang bahasa budi dang bahasa	raceana de la casa de la composición de la composición de la casa					
age of the second									
Measured			Variable					2	
The second secon			Vertical			Vertical	Dogleg	Build	Turn
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100 <del>ft</del> )
2,236.0	19.10	251.10	2,184.2	-106.7	-406.5	420.3	0.70	0.50	-1.50
	urface Hole	201.10	2,104.2	-100.1	-400.5	420.5	0.70	0.50	-1.50
2,323.0	19.20	250.20	2,266.4	-116.2	-433.5	448.8	0.26	0.44	4.00
2,355.0	18.60	249.20	2,296.7	-119.8	-433.3 -443.2	446.6 459.1	0.36 2.13	0.11 -1.87	-1.03
2,387.0	18.20	250.20	2,327.1	-123.3	-443.2 -452.6	469.1	1.59	-1.0 <i>1</i> -1.25	-3.12 3.12
1									3.12
2,418.0		252.80	2,356.5	-126.4	-461.8	478.7	2.77	-0.97	8.39
2,450.0		255.10	2,387.0	-129.0	-471.1	488.4	2.52	-1.25	7.19
2,480.0		255.80	2,415.6	-131.3	-479.8	497.4	0.78	-0.33	2.33
2,512.0 2,544.0	17.30	259.00	2,446.2	-133.4	-489.1	507.0	3.00	-0.31	10.00
	16.70	260.10	2,476.8	-135.1	-498.3	516.3	2.13	-1.87	3.44
2,574.0	16.40	262.50	2,505.5	-136.4	-506.8	524.8	2.49	-1.00	8.00
2,604.0	15.70	262.60	2,534.4	-137.5	-515.0	533.0	2.34	-2.33	0.33
2,636.0	15.20	264.80	2,565.2	-138.4	-523.5	541.4	2.41	-1.56	6.87
2,666.0	14.40	265.90	2,594.2	-139.0	-531.1	549.0	2.83	-2.67	3.67
2,698.0	14.10	265.00	2,625.2	-139.6	-538.9	556.7	1.17	-0.94	-2.81
2,730.0	13.60	264.10	2,656.3	-140.4	-546.6	564.3	1.70	-1.56	-2.81
2,761.0	13.30	263.90	2,686.4	-141.1	-553.7	571.4	0.98	-0.97	-0.65
2,792.0	13.30	264.10	2,716.6	-141.9	-560.8	578.5	0.15	0.00	0.65
2,824.0	13.50	265.00	2,747.7	-142.6	-568.2	585.8	0.90	0.62	2.81
2,854.0	13.30	266.10	2,776.9	-143.1	-575.2	592.6	1.08	-0.67	3.67
2,886.0	13.30	267.10	2,808.1	-143.5	-582.5	599.9	0.72	0.00	3.12
2,917.0	12.70	267.00	2,838.3	-143.9	-589.5	606.7	1.94	-1.94	-0.32
2,948.0	13.00	267.10	2,868.5	-144.3	-596.3	613.4	0.97	0.97	0.32
2,979.0	13.00	268.70	2,898.7	-144.5	-603.3	620.2	1.16	0.00	5.16
3,011.0	12.60	268.10	2,929.9	-144.7	-610.4	627.1	1.32	-1.25	-1.87
3,043.0 3,075.0	12.20 11.70	267.30	2,961.2	-145.0	-617.3	633.9	1.36	-1.25	-2.50
3,107.0	11.70	267.80 269.00	2,992.5 3,023.8	-145.3 -145.5	-623.9 -630.4	640.3	1.60	-1.56	1.56
3,139.0	11.70	268.50	3,023.6	-145.5 -145.6	-636.9	646.7 653.0	0.83	0.31	3.75
3,170.0	11.40	269.40	3,085.5	-145.7	-643.1	659.0	0.45	-0.31 -0.97	-1.56
							1.13		2.90
3,202.0	11.00	267.00	3,116.9	-145.9	-649.3	665.1	1.92	-1.25	-7.50
3,232.0	10.60	266.90	3,146.4	-146.2	-654.9	670.6	1.33	-1.33	-0.33
3,264.0	10.20	268.80	3,177.8	-146.4	-660.7	676.2	1.65	-1.25	5.94
3,295.0	10.00	267.00	3,208.4	-146.6	-666.2	681.5	1.21	-0.65	-5.81
3,326.0	9.60	266.10	3,238.9	-146.9	-671.4	686.7	1.38	-1.29	-2.90
3,357.0	9.70	268.50	3,269.5	-147.2	-676.6	691.8	1.34	0.32	7.74
3,388.0	9.50	268.60	3,300.0	-147.3	-681.8	696.8	0.65	-0.65	0.32
3,419.0	9.20	267.20	3,330.6	-147.5	-686.8	701.7	1.21	-0.97	-4.52
3,450.0	8.90	265.10	3,361.2	-147.8	-691.7	706.5	1.44	-0.97	-6.77
3,481.0	8.80	263.50	3,391.9	-148.3	-696.4	711.2	0.86	-0.32	-5.16
3,513.0	8.10	262.80	3,423.5	-148.9	-701.1	715.9	2.21	-2.19	-2.19
3,544.0	7.40	265.30	3,454.2	-149.3	-705.2	720.0	2.51	-2.26	8.06
3,576.0	7.00	265.70	3,486.0	-149.6	-709.2	724.0	1.26	-1.25	1.25
3,607.0	6.50	262.80	3,516.8	-150.0	-712.9	727.6	1.95	-1.61	-9.35
3,639.0	6.40	265.40	3,548.6	-150.3	-716.4	731.1	0.96	-0.31	8.12
3,669.0	6.00	263.90	3,578.4	-150.6	-719.7	734.3	1.44	-1.33	-5.00
3,701.0	5.70	264.40	3,610.2	-151.0	-722.9	737.6	0.95	-0.94	1.56
3,731.0	5.50	267.30	3,640.1	-151.2	-725.8	740.4	1.15	-0.67	9.67
3,763.0	5.20	263.50	3,671.9	-151.4	-728.8	743.4	1.45	-0.94	-11.87
3,793.0	4.80	261.40	3,701.8	-151.8	-731.4	746.0	1.47	-1.33	-7.00
3,825.0	4.20	261.10	3,733.7	-152.1	-733.9	748.5			
3,855.0	3.60	260.10	3,733.7 3,763.7	-152.1 -152.5	-735.9 -735.9	748.5 750.5	1.88 2.01	-1.87 -2.00	-0.94
3,886.0	3.10	260.80	3,794.6	-152.8	-735.9 -737.7	750.5 752.3	1.62	-2.00 -1.61	-3.33 2.26
3,917.0	3.00	260.20	3,825.6	-153.0	-739.3	752.3 753.9	0.34	-0.32	-1.94
3,948.0	2.50	260.10	3,856.5	-153.3	-740.8	755.4	1.61	-0.52 -1.61	-0.32
			-,-00.0				1.01	1.01	0.02





Company: Project:

EOG Resources

Site: Well: Uintah County Utah Chapita Well Unit 1541- 1546-26D

CWU #1546-26D Wellbore: Wellbore #1 Wellbore #1 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Database:

Well CWU #1546-26D

True #34 @ 5034.0ft (RKB Elev.) True #34 @ 5034.0ft (RKB Elev.)

Minimum Curvature

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Survey		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Thomas Andrews Commission and Angeles and Angeles and Angeles and Angeles and Angeles and Angeles and Angeles		M2967971.7010002046420400.2010.101.101	PROCEEDINGS STORMSTONES W. HOLLS OF SAME		CONTRACTOR OF THE CONTRACTOR O	# CHRON WIND SEALTH AND TO A 100 TO A 12 FOR THE WAS A 12
						100			
Measured			Vertical			Vertical	Dogleg	Build	Turn
	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
0.070.0	4.00								
3,979.0 4,010.0	1.90 1.50	267.90	3,887.5	-153.4	-741.9	756.6	2.16	-1.94	25.16
4,041.0	1.00	283.00 307.40	3,918.5 3,949.5	-153.4 -153.1	-742.9 -743.5	757.4 758.0	1.93	-1.29	48.71
4,073.0	0.80	4.30	3,981.5	-153.1 -152.7	-743.5 -743.7	758.0 758.1	2.32 2.74	-1.61 -0.62	78.71 177.81
4,104.0	0.40	57.00	4,012.5	-152.4	-743.6	757.9	2.07	-1.29	177.00
4,198.0	0.40	178.70	4,106.5	-152.6	-743.3				
4,290.0	0.80	182.80	4,100.5	-152.6	-743.3 -743.3	757.7 757.9	0.74 0.44	0.00 0.43	129.47 4.46
4,385.0	0.30	194.00	4,293.5	-154.5	-743.4	757.3 758.3	0.54	-0.53	11.79
4,478.0	0.80	153.10	4.386.5	-155.3	-743.2	758.2	0.65	0.54	-43.98
4,574.0	1.20	181.20	4,482.4	-156.9	-742.9	758.4	0.65	0.42	29.27
4,667.0	0.70	162.50	4,575.4	-158.4	-742.7	758.6	0.63	-0.54	-20.11
4,733.0	0.70	154.99	4,641.5	-159.1	-742.4	758.5	0.14	0.00	-20.11 -11.38
Wasatch #1			.,	,	, ,,	700.0	0.14	0.00	-11.50
4,762.0	0.70	151.70	4.670.4	-159.5	-742.3	758.4	0.14	0.01	-11.35
4,855.0	0.70	187.20	4,763.4	-160.5	-742.1	758.5	0.46	0.00	38.17
4,949.0	0.80	160.90	4,857.4	-161.7	-741.9	758.7	0.38	0.11	-27.98
5,042.0	0.60	40.60	4.950.4	-162.0	-741.4	758.2	1.31	-0.22	-129.35
5.138.0	0.50	56.90	5,046.4	-161.3	-740.7	757.4	0.19	-0.22 -0.10	16.98
5,230.0	0.30	82.30	5,138.4	-161.1	-740.2	756.8	0.29	-0.22	27.61
5,322.0	0.50	132.30	5,230.4	-161.3	-739.6	756.3	0.42	0.22	54.35
5,416.0	0.80	136.20	5,324.4	-162.1	-738.9	755.8	0.32	0.32	4.15
5,510.0	0.30	39.70	5,418.4	-162.4	-738.3	755.3	0.94	-0.53	-102.66
5,605.0	0.10	307.60	5,513.4	-162.1	-738.2	755.1	0.34	-0.21	-96.95
5,699.0	0.10	1.17	5,607.4	-162.0	-738.2	755.2	0.10	0.00	56.99
5,792.0	0.20	344.90	5,700.4	-161.8	-738.3	755.1	0.12	0.11	-17.49
5,887.0	0.04	158.30	5,795.4	-161.6	-738.3	755.1	0.25	-0.17	182.53
5,980.0	0.30	230.60	5,888.4	-161.8	-738.5	755.4	0.31	0.28	77.74
6,074.0	0.30	210.80	5,982.4	-162.2	-738.8	755.8	0.11	0.00	-21.06
6,169.0	0.80	187.20	6,077.4	-163.0	-739.0	756.2	0.57	0.53	-24.84
6,261.0	1.10	183.40	6,169.4	-164.6	-739.1	756.7	0.33	0.33	-4.13
6,355.0	0.30	174.80	6,263.4	-165.7	-739.2	757.0	0.86	-0.85	-9.15
6,449.0	0.80	150.60	6,357.4	-166.5	-738.8	756.9	0.58	0.53	-25.74
6,543.0	0.90	157.40	6,451.3	-167.8	-738.2	756.6	0.15	0.11	7.23
6,637.0	1.20	172.80	6,545.3	-169.4	-737.8	756.6	0.44	0.32	16.38
6,732.0 6,826.0	0.10 0.10	142.90 225.50	6,640.3 6,734.3	-170.5 -170.6	-737.6 -737.6	756.7 756.8	1.17	-1.16	-31.47
							0.14	0.00	87.87
6,919.0	0.60	138.60	6,827.3	-171.0	-737.4	756.6	0.65	0.54	-93.44
7,014.0 7,071.0	1.00 0.50	145.20 143.24	6,922.3	-172.1	-736.6	756.1	0.43	0.42	6.95
Price River		143.24	6,979.3	-172.7	-736.1	755.9	0.87	-0.87	-3.44
7,106.0	0.20	137.20	7,014.3	-172.9	-736.0	755.8	0.07	0.07	47.00
7,198.0	0.30	160.40	7,014.3	-172.9	-735.8	755.6 755.7	0.87 0.15	-0.87 0.11	-17.23 25.22
									-
7,292.0 7,387.0	0.70 0.70	122.90	7,200.3	-173.8	-735.3	755.3	0.53	0.43	-39.89
7,367.0	1.30	143.20 162.50	7,295.3 7,389.3	-174.5 -176.0	-734.4 -733.8	754.7 754.4	0.26 0.72	0.00 0.64	21.37 20.53
7,575.0	1.60	157.30	7,369.3 7,483.2	-178.2	-732.9	754.4 754.2	0.72	0.64	20.53 -5.53
7,669.0	1.20	125.10	7,577.2	-180.0	-731.6	753.3	0.92	-0.43	-34.26
7,762.0	1.40	135.80	7,670.2	-181.4	-730.0	752.2	0.34		
7,762.0	0.80	138.90	7,070.2	-161.4 -182.7	-730.0 -728.8	752.2 751.3	0.34	0.22 -0.65	11.51 3.33
7,948.0	0.70	167.20	7,856.2	-183.7	-728.3	751.0	0.41	-0.03	30.43
8,042.0	0.40	172.30	7,950.2	-184.6	-728.1	751.1	0.32	-0.32	5.43
8,133.0	0.60	140.30	8,041.2	-185.3	-727.7	750.9	0.37	0.22	-35.16
8,228.0	1.10	145.40	8,136.2	-186.4	-726.9	750.4	0.53	0.53	5.37
8,323.0	1.10	149.10	8,231.1	-188.0	-725.9	749.9	0.07	0.00	3.89
								J.00	0.00





Company: Project:

EOG Resources Uintah County Utah

Site:

Chapita Well Unit 1541- 1546-26D

Well: CWU #1546-26D
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method:

Database:

Well CWU #1546-26D

True #34 @ 5034.0ft (RKB Elev.) True #34 @ 5034.0ft (RKB Elev.)

True

Minimum Curvature

Measured	100		V		and the second			and the same	<u>_</u>
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,416.0	1.10	145.70	8,324.1	-189.5	-725.0	749.3	0.07	0.00	-3.66
8,511.0	1.60	152.30	8,419.1	-191.4	-723.8	748.7	0.55	0.53	6.95
8,605.0	1.20	148.90	8,513.1	-193.4	-722.7	748.1	0.43	-0.43	-3.62
8,699.0	1.80	150.70	8,607.0	-195.5	-721.5	747.5	0.64	0.64	1.91
8,792.0	1.90	146.10	8,700.0	-198.1	-719.9	746.6	0.19	0.11	-4.95
8,886.0	1.80	146.60	8,793.9	-200.6	-718.2	745.6	0.11	-0.11	0.53
8,978.0	1.70	157.60	8,885.9	-203.1	-716.9	745.0	0.38	-0.11	11.96
9,071.0	1.90	152.90	8,978.8	-205.7	-715.7	744.5	0.27	0.22	-5.05
9,165.0	2.20	142.50	9,072.8	-208.5	-713.9	743.4	0.51	0.32	-11.06
9,258.0	2.20	131.60	9,165.7	-211.2	-711.4	741.7	0.45	0.00	-11.72
9,387.0	2.30	131.40	9,294.6	-214.5	-707.6	738.9	0.08	0.08	-0.16
9,441.3	2.30	131.30	9,348.9	-215.9	-706.0	737.7	0.01	0.00	-0.18
PBHL #1540	6		•						• • • • • • • • • • • • • • • • • • • •
9,443.0	2.30	131.30	9.350.6	-216.0	-706.0	737.7	0.01	0.00	-0.18

Targets  Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S	+E/-W (ft)	Northing (fi)	Easting (fi)	Latitude	Longitude
PBHL #1546 - actual wellpath - Point	0.00 misses target	0.00 center by 2	9,350.0 28.2ft at 94	-193.4 41.3ft MD (9	-722.9 348.9 TVD, -	618,499.68 215.9 N, -706.0	2,587,706.12 E)	40° 0' 45.068 N	109° 24' 5.573 W
Wasatch #1546 - actual wellpath - Point	0.00 misses target	0.00 center by 3	4,641.0 39.4ft at 47	-193.4 33.1ft MD (4	-722.9 641.5 TVD, -	618,499.68 159.1 N, -742.4	2,587,706.12 E)	40° 0' 45.068 N	109° 24' 5.573 W
Price River #1546 - actual wellpath - Circle (radius 50		0.00 center by 2	6,979.0 4.6ft at 70	-193.4 71.0ft MD (6	-722.9 979.3 TVD, -	618,499.68 172.7 N, -736.1	2,587,706.12 E)	40° 0' 45.068 N	109° 24' 5.573 W

Design Annotations  Measured Depth (ft)	Vertical Depth	Local Coord +N/-S (ft)	linates +E/-W	Comment
2,236.0	2,184.2	-106.7		Tie into Surface Hole
9,443.0	9,350.6	-216.0		Projection to TD

Checked By:	Approved By:	Date:
	rippiored by:	Date.



## **EOG Resources**

Uintah County Utah Chapita Well Unit 1541- 1546-26D CWU #1546-26D Wellbore #1

Design: Wellbore #1

**Survey Report - Geographic** 

30 April, 2012







Company:

**EOG Resources** 

Project: Site:

**Uintah County Utah** 

Well:

Chapita Well Unit 1541- 1546-26D

CWU #1546-26D Wellbore: Wellbore #1 Design: Wellbore #1

Local Co-ordinate Reference:

Well CWU #1546-26D

TVD Reference: MD Reference:

North Reference:

**Survey Calculation Method:** Database:

True #34 @ 5034.0ft (RKB Elev.) True #34 @ 5034.0ft (RKB Elev.)

Minimum Curvature

EDM 2003.16 Single User Db

**Project Uintah County Utah** 

Map System:

US State Plane 1927 (Exact solution)

Geo Datum: Map Zone:

NAD 1927 (NADCON CONUS)

Utah Central 4302

System Datum:

Mean Sea Level

Chapita Well Unit 1541- 1546-26D Site

Site Position:

Northing:

618,708.27ft

Latitude:

40° 0' 46.951 N

From:

Lat/Long

Easting:

2,588,474.21ft

Longitude:

**Position Uncertainty:** 

0.0 ft

Slot Radius:

109° 23' 55.640 W

**Grid Convergence:** 

1.35

CWU #1546-26D Well

**Well Position** 

+N/-S +E/-W

0.0 ft 0.0 ft Northing: Easting:

618,710.01 ft 2,588,424.30 ft Latitude:

40° 0' 46.980 N

**Position Uncertainty** 

Longitude:

109° 23' 56.281 W 5,015.0 ft

0.0 ft Wellhead Elevation: **Ground Level:** 

Wellbore Wellbore #1 Declination **Magnetics Model Name** Sample Date Dip Angle Field Strength (°) (°) (nT) IGRF2010 12/09/11 10.97 65.88 52,300

Design Wellbore #1 **Audit Notes:** Version: 1.0 Phase: **ACTUAL** Tie On Depth: **Vertical Section:** Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°) 0.0 0.0 0.0 255.29

Survey Program From (ft)	To (ft)	Date 04/12/12 Survey (Wellbore)	Tool Name	Description
296.0	2,236.0	Surface Hole Surveys (Wellbore #1)	MWD	MWD - Standard
2,323.0	9,443.0	7 7/8" Hole Surveys (Wellbore #1)	MWD	MWD - Standard
 1				





Company: Project:

EOG Resources Uintah County Utah

Site:

Chapita Well Unit 1541- 1546-26D

Well: CWU #1546-26D
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:

North Reference; Survey Calculation Method:

Database:

Well CWU #1546-26D

True #34 @ 5034.0ft (RKB Elev.) True #34 @ 5034.0ft (RKB Elev.)

True

Minimum Curvature

446.0 6.00 258.50 445.7 -2.3 -7.0 618,707.51 2,588,417.37 40° 0° 46,957 N 109° 23° 56,371 476.0 7.20 259.20 475.5 -3.0 -10.4 618,706.77 2,584.14.01 40° 0° 46,957 N 109° 23° 56,414 500.0 8.30 260.40 505.3 -3.7 -14.4 618,706.77 2,588,405.48 40° 0° 46,958 N 109° 23° 56,466 536.0 9.50 261.00 534.9 -4.5 -18.9 618,705.11 2,588,405.48 40° 0° 46,938 N 109° 23° 56,5691 596.0 11.20 261.30 593.9 -6.1 -29.7 618,702.15 2,588,306.35 40° 0° 46,938 N 109° 23° 56,5691 626.0 12.10 261.80 623.3 -7.0 -35.6 618,702.15 2,588,388.83 40° 0° 46,918 N 109° 23° 56,739 40° 666.0 12.50 261.90 652.6 -7.9 -42.0 618,702.15 2,588,388.83 40° 0° 46,918 N 109° 23° 56,739 40° 666.0 13.00 261.90 662.9 -7.9 -42.0 618,702.11 2,588,365.2 40° 0° 46,902 N 109° 23° 56,739 40° 666.0 13.00 261.90 662.9 -8.9 -48.5 618,700.11 2,588,375.99 40° 0° 46,892 N 109° 23° 56,891 746.0 13.20 261.90 740.3 -10.8 -652.0 618,897.79 2,588,365.31 40° 0° 46,892 N 109° 23° 56,739 776.0 13.80 261.90 740.3 -10.8 -62.0 618,897.79 2,588,365.57 40° 0° 46,874 N 109° 23° 57,167 N 806.0 14.00 280.70 798.6 -12.9 -76.1 618,696.3 2,588,355.67 40° 0° 46,864 N 109° 23° 57,167 N 806.0 14.00 280.70 798.6 -12.9 -76.1 618,695.37 2,588,348.57 40° 0° 46,861 N 109° 23° 57,351 N 866.0 13.00 261.60 886.0 -16.1 -97.3 618,699.40 2,588,327.43 40° 0° 46,881 N 109° 23° 57,351 N 866.0 13.00 261.60 886.0 -16.1 -97.3 618,699.40 2,588,330.95 40° 0° 46,681 N 109° 23° 57,535 N 96.0 12.00 260.0 915.3 -17.1 -10.3 8 618,691.67 2,588,320.96 40° 0° 46,681 N 109° 23° 57,535 N 96.0 12.00 260.0 915.3 -17.1 -10.3 8 618,691.67 2,588,320.96 40° 0° 46,681 N 109° 23° 57,735 N 96.0 12.00 260.0 915.3 -17.1 -10.3 8 618,691.67 2,588,330.95 40° 0° 46,681 N 109° 23° 57,535 N 96.0 11.70 259.30 944.6 -18.1 -19.9 618,689.17 2,588,330.95 40° 0° 46,681 N 109° 23° 57,535 N 96.0 11.70 259.30 944.6 -18.1 -19.9 618,689.17 2,588,330.95 40° 0° 46,681 N 109° 23° 57,535 N 96.0 11.70 259.30 94.6 6 -18.1 -19.9 618,689.17 2,588,330.95 40° 0° 46,681 N 109° 23° 57,535 N 96.0 11.70 259.30 11.20.6 258.0 11.60.0 257.0 11.60.0 255.0 11.60.0 255.0 1			Printa protos representaciones e	n frakt i nakultur eutottististasisisi	KARIO PARISONANI ARIAMBANDANI	Database		EDIVI 200	3. To Single User Di	• เพลาะ เกราะ เก
Measured   Oppth   Inclination   Azimuth   Oppth   (ft)	Survey		ATTACK ATTICKNOSE			MATCA MATCAL TERROPERATE				
Popth   Inclination   Azimuth   Popth   +N/-S   E-F/W   Norting   (ft)	Survey							10 m		
Popth   Inclination   Azimuth   Popth   +N/-S   E-F/W   Norting   (ft)	Manageral	and the second		Victoria Victoria						100
(ff) (f) (f) (f) (f) (ff) (ff) (ff) (ff										
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	TO THE PROPERTY BUILDINGS OF STREET, WHILE	and the second second second second				AND THE RESERVE OF THE PARTY OF				
296.0 0.20 154.60 296.0 -0.5 0.2 618,709.54 2,588.424.53 40°0°46.975 N 109°23°56.289°1 336.0 0.70 237.20 336.0 -0.6 0.1 618,709.93 2,588.424.40 40°0°46.971 N 109°23°56.289°1 366.0 2.10 251.40 356.0 -0.9 -0.6 618,709.10 2,588.423.74 40°0°46.971 N 109°23°56.289°1 366.0 316.0 4.80 256.30 415.9 -1.8 -4.2 618,708.14 2,588.402.12 40°0°46.971 N 109°23°56.289°1 416.0 4.80 256.30 445.7 -2.3 -7.0 618,706.7 2,588.414 1,588.402.12 40°0°46.971 N 109°23°56.289°1 446.0 6.00 256.50 445.7 -2.3 -7.0 618,707.51 2,588.417.37 40°0°46.995 N 109°23°56.335°1 476.0 7.20 259.20 475.5 -3.0 -10.4 618,706.77 2,558.414.01 40°0°46.995 N 109°23°56.345°1 40°50.0 0.9 50°50.0 0.9 50°50.3 -3.7 -14.4 618,706.77 2,558.414.01 40°0°46.995 N 109°23°56.4144 558.60 9.50 261.00 554.9 4.5 -18.9 618,705.11 2,588.405.8 40°0°46.995 N 109°23°56.6525 566.0 11.20 261.10 564.4 -5.3 -24.1 618,704.17 2,588.400.55 40°0°46.998 N 109°23°56.6525 566.0 11.20 261.80 623.3 -7.0 -35.6 618,702.15 2,588.403.5 40°0°46.998 N 109°23°56.5665 566.0 12.50 261.90 662.6 -7.9 4.20 618,701.10 2,588.388.3 40°0°46.919 N 109°23°56.9626 566.0 12.50 261.90 661.9 -8.9 48.5 618,700.11 2,588.385.2 40°0°46.919 N 109°23°56.9626 566.0 12.50 261.90 661.9 -8.9 48.5 618,700.11 2,588.385.2 40°0°46.919 N 109°23°56.9621 5746.0 13.10 262.00 711.1 -9.8 -55.2 618,698.90 2,588.385.2 40°0°46.902 N 109°23°56.9621 5746.0 13.10 262.00 711.1 -9.8 -55.2 618,698.90 2,588.385.2 40°0°46.902 N 109°23°56.9621 5746.0 13.10 262.00 711.1 -9.8 -65.2 618,698.70 2,588.385.2 40°0°46.902 N 109°23°57.591 746.0 13.20 261.90 681.9 -78.5 11.8 -68.9 618,698.90 2,588.385.2 40°0°46.902 N 109°23°57.591 746.0 13.10 260.0 700°78.5 -11.8 -68.9 618,698.90 2,588.385.2 40°0°46.902 N 109°23°57.591 746.0 13.10 261.00 866.0 14.00 260.70 798.6 -12.9 76.1 618,698.90 2,588.385.2 40°0°46.902 N 109°23°57.591 746.0 13.00 261.60 886.0 14.0 261.70 827.7 -14.0 -83.2 618,698.90 2,588.385.4 40°0°46.803 N 109°23°57.591 746.0 13.00 261.60 886.0 14.0 261.70 827.7 -14.0 83.6 862.0 14.0 86.0 14.0 261.70 827.7 -14.0 83.6 862.0 14.0 86.0 14.0 00°46.803 N 10	Tir)	(7)	()	(π)	( <del>11</del> )	(ft)	(π)	(π)	Latitude	Longitude
296.0	0.0	0.00	0.00	0.0	0.0	0.0	618.710.01	2 588 424 30	40° 0' 46 980 N	109° 23' 56 281 W
326.0 0.70 237.20 326.0 -0.6 0.1 618,709.39 2.588,424.40 40° 0′ 46.971 N 109° 23° 56.280 N 360 2.10 251.40 356.0 -0.9 -0.6 618,708.67 2.588,422.13 40° 0′ 46.971 N 109° 23° 56.280 N 386.0 3.70 256.70 385.9 -1.3 -2.0 618,708.67 2.588,422.12 40° 0′ 46.971 N 109° 23° 56.380 N 416.0 4.80 258.50 415.9 -1.8 -4.2 618,708.14 2.588,422.12 40° 0′ 46.967 N 109° 23° 56.335 N 446.0 6.00 258.50 445.7 -2.3 -7.0 618,706.71 2.588,441.73 40° 0′ 46.957 N 109° 23° 56.335 N 476.0 7.20 259.20 475.5 -3.0 -10.4 618,706.77 2.588,414.01 40° 0′ 46.957 N 109° 23° 56.414 N 506.0 8.30 260.40 505.3 -3.7 -14.4 618,706.77 2.588,414.01 40° 0′ 46.957 N 109° 23° 56.414 N 506.0 8.30 260.40 505.3 -3.7 -14.4 618,705.96 2.588,410.04 40° 0′ 46.993 N 109° 23° 56.414 N 506.0 8.30 260.40 534.9 -4.5 -18.9 618,705.11 2.588,405.48 40° 0′ 46.993 N 109° 23° 56.525 N 566.0 11.50 261.10 564.4 -5.3 -2.41 618,705.11 2.588,405.48 40° 0′ 46.993 N 109° 23° 56.622 N 566.0 11.50 261.10 564.4 -5.3 -2.41 618,701.11 2.588,304.80 40° 0′ 46.991 N 109° 23° 56.622 N 566.0 12.50 261.30 693.9 -6.1 -2.97 618,703.18 2.588,308.30 40° 0′ 46.911 N 109° 23° 56.622 N 566.0 12.50 261.30 683.9 -6.1 -2.97 618,703.18 2.588,308.30 40° 0′ 46.991 N 109° 23° 56.622 N 566.0 12.50 261.30 681.9 -8.9 -48.5 618,700.11 2.588,375.99 40° 0′ 46.991 N 109° 23° 56.622 N 566.0 12.50 261.30 681.9 -8.9 -48.5 618,700.11 2.588,375.99 40° 0′ 46.892 N 109° 23° 56.905 N 716.0 13.00 261.50 740.3 -10.8 -62.0 618,697.79 2.588,382.52 40° 0′ 46.992 N 109° 23° 56.905 N 716.0 13.00 261.00 740.3 -10.8 -62.0 618,697.79 2.588,382.57 40° 0′ 46.883 N 109° 23° 57.078 N 716.0 13.00 261.00 740.3 -10.8 -62.0 618,697.79 2.588,382.57 40° 0′ 46.883 N 109° 23° 57.078 N 716.0 13.80 261.80 769.5 -11.8 -68.9 618,696.3 2.588,383.55 7 40° 0′ 46.881 N 109° 23° 57.078 N 716.0 13.80 261.80 769.5 -11.8 -68.9 618,696.3 2.588,383.55 7 40° 0′ 46.881 N 109° 23° 57.078 N 716.0 13.80 261.80 70° 98.6 -12.9 -76.1 618,695.37 2.588,383.55 7 40° 0′ 46.881 N 109° 23° 57.078 N 716.0 13.80 261.80 70° 98.6 -12.9 -76.1 618,695.37 2.588,383.55 7 40° 0′ 46.	296.0	0.20								
366.0	326.0	0.70	237.20	326.0						
386.0	356.0	2.10	251.40							
446.0 4.80 258.30 415.9 -1.8 -4.2 618.706.14 2.588.420.12 40° 0' 46.92 N 109° 23° 56.355' 1460 60 6.00 258.50 445.7 -2.3 -7.0 618.707.51 2.588.417.37 40° 0' 46.957 N 109° 23° 56.355' 1476.0 7.20 259.20 475.5 -3.0 -10.4 618.705.67 2.588.410.1 40° 0' 46.957 N 109° 23° 56.414' 506.0 8.30 260.04 505.3 -3.7 -14.4 618.705.96 2.588.410.1 40° 0' 46.936 N 109° 23° 56.414' 556.0 9.50 261.00 534.9 -4.5 -18.9 618.705.11 2.588.405.48 40° 0' 46.936 N 109° 23° 56.255' 566.0 10.50 261.10 564.4 -5.3 -24.1 618.705.17 2.588.405.48 40° 0' 46.936 N 109° 23° 56.525' 566.0 11.20 261.30 593.9 -6.1 -29.7 618.703.18 2.588.394.80 40° 0' 46.936 N 109° 23° 56.626' 626.0 12.50 261.90 652.6 -7.9 -42.0 618.703.18 2.588.394.80 40° 0' 46.930 N 109° 23° 56.621' 686.0 13.00 261.90 681.9 -8.9 -48.5 618.700.10 2.588.369.38 3 40° 0' 46.902 N 109° 23° 56.905' 7716.0 13.10 262.00 711.1 -9.8 -55.2 618.699.90 2.588.365.37 99 40° 0' 46.892 N 109° 23° 56.905' 7716.0 13.20 261.90 740.3 -10.8 -62.0 618.697.79 2.588.362.57 40° 0' 46.892 N 109° 23° 57.078 (30.60.0 14.00 260.70 798.6 -12.9 -76.1 618.695.37 2.588.346.57 40° 0' 46.864 N 109° 23° 57.078 (30.60.0 14.00 260.70 798.6 -12.9 -76.1 618.695.37 2.588.344.57 40° 0' 46.864 N 109° 23° 57.552 (30.60.0 13.00 261.60 866.0 -16.1 -97.3 618.691.67 2.588.341.40 40° 0' 46.813 N 109° 23° 57.552 (30.60.0 11.00 260.70 974.0 -19.4 -11.8 618.694.8 2 2.588.341.40 40° 0' 46.813 N 109° 23° 57.552 (30.60.0 11.00 260.70 974.0 -19.4 -11.8 618.694.8 2 2.588.341.40 40° 0' 46.813 N 109° 23° 57.552 (30.60.0 11.00 260.70 974.0 -19.4 -11.99.8 618.695.37 2.588.327.4 40° 0' 46.813 N 109° 23° 57.552 (30.60.0 11.00 260.70 974.0 -19.4 -11.99.9 618.694.8 2 2.588.331.4 40° 0' 46.813 N 109° 23° 57.552 (30.60.0 11.00 260.70 974.0 -19.4 -11.58 618.694.9 2.588.327.4 40° 0' 46.684 N 109° 23° 57.552 (30.60.0 11.00 2.50.0 9.0 94.6 -11.00 94.6 18.695.9 2.588.393.0 0 40° 0' 46.811 N 109° 23° 57.552 (30.60.0 11.00 2.50.0 9.0 94.6 -11.9 94.0 94.6 94.0 94.0 94.6 94.0 94.0 94.6 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0	386.0	3.70	256.70							
446.0 6.00 256.50 445.7 -2.3 -7.0 618,707.51 2,588,417.37 40°0′46,957 N 109°22′56,371 1 476.0 72.0 259.20 475.5 -3.0 -10.4 618,706.77 2,588,411.01 40°0′46,950 N 109°22′56,456 N 506.0 8.30 260.40 505.3 -3.7 -14.4 618,705.96 2,588,410.04 40°0′46,948 N 109°22′56,466 N 556.0 9.50 261.00 534.9 -4.5 -18.9 618,705.11 2,588,405.8 40°0′46,938 N 109°22′56,659 N 566.0 10.50 261.10 564.4 -5.3 -24.1 618,705.11 2,588,405.8 40°0′46,938 N 109°22′56,659 N 566.0 11.20 261.30 593.9 -6.1 -29.7 618,703.18 2,588,394.80 40°0′46,918 N 109°22′56,659 N 566.0 12.50 261.90 662.6 -7.9 -42.0 618,702.15 2,588,382.52 40°0′46,902 N 109°22′56,639 N 566.0 12.50 261.90 661.9 -8.9 -48.5 618,700.11 2,588,375.9 40°0′46,902 N 109°22′56,639 N 566.0 13.00 261.90 661.9 -8.9 -48.5 618,700.10 2,588,382.52 40°0′46,902 N 109°22′56,691 N 109°22′56,69	416.0	4.80	258.30	415.9	-1.8	-4.2	618,708.14	2,588,420.12		109° 23' 56.335 W
476.0 7.20 259.20 475.5 3.0 -10.4 618,706.77 2,588,410.04 40° 0' 46,930 N 109° 23' 56,436' 536.0 9.50 261.00 534.9 4.5 -18.9 618,705.11 2,588,405.48 40° 0' 46,936 N 109° 23' 56,525 N 566.0 10.50 261.10 564.4 -5.3 -24.1 618,705.11 2,588,405.48 40° 0' 46,936 N 109° 23' 56,525 N 566.0 11.20 261.30 593.9 -6.1 -29.7 618,703.18 2,558,394.80 40° 0' 46,919 N 109° 23' 56,666 N 626.0 12.50 261.90 662.6 -7.9 -42.0 618,703.18 2,558,394.80 40° 0' 46,919 N 109° 23' 56,666 N 686.0 12.50 261.90 662.6 -7.9 -42.0 618,701.10 2,558,394.80 40° 0' 46,919 N 109° 23' 56,692 N 686.0 13.00 261.90 662.6 -7.9 -42.0 618,701.10 2,558,394.80 40° 0' 46,910 N 109° 23' 56,692 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23' 57,694 N 109° 23			258.50	445.7		-7.0	618,707.51			109° 23' 56.371 W
596.0 8.30 260.40 505.3 -3.7 -14.4 618,705.96 2,588,410.04 40° 0′ 46,943 N 109° 23′ 56,465 566.0 10.50 261.10 534.9 -4.5 -18.9 618,706.11 2,588,400.35 40° 0′ 46,936 N 109° 23′ 56,625 1 566.0 10.50 261.10 564.4 -5.3 -24.1 618,704.17 2,588,400.35 40° 0′ 46,936 N 109° 23′ 56,625 1 566.0 12.10 261.80 623.3 -7.0 -35.6 618,702.15 2,588,388.83 40° 0′ 46,919 N 109° 23′ 56,639 1 666.0 12.50 261.90 652.6 -7.9 -42.0 618,701.10 2,588,382.52 40° 0′ 46,902 N 109° 23′ 56,739 1 686.0 13.00 261.90 662.0 -7.9 -42.0 618,701.10 2,588,382.52 40° 0′ 46,902 N 109° 23′ 56,000 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	476.0	7.20	259.20	475.5			618,706.77			109° 23' 56.414 W
566.0         10.50         261.10         564.4         -5.3         -24.1         618,704.17         2,588,304.80         40°0.46.928 N         109°23'56.591           596.0         11.20         261.30         593.9         -6.1         -29.7         618,703.18         2,588,384.83         40°0.46.919 N         109°23'56.662 V           686.0         12.50         261.90         682.6         -7.9         -42.0         618,701.10         2,588,382.52         40°0.46.911 N         109°23'56.622 V           686.0         13.00         261.90         681.9         -8.9         -48.5         618,700.10         2,588,382.52         40°0.46.912 N         109°23'56.621 V           716.0         13.10         262.00         711.1         -9.8         -55.2         618,698.90         2,588,369.31         40°0.46.831 N         109°23'56.991 V           776.0         13.80         261.90         740.3         -10.8         -62.0         618,699.79         2,588,369.31         40°0.46.831 N         109°23'57.078 V           776.0         13.80         261.90         740.3         -10.8         -68.9         918,699.53         2,588,384.84         40°0'0.46.831 N         109°23'57.078 V           7776.0         13.80         261.90         <	506.0	8.30	260.40	505.3	-3.7	-14.4	618,705.96	2,588,410.04	40° 0' 46.943 N	109° 23' 56.466 W
566.0 11.20 261.30 593.9 -6.1 -29.7 618,703.18 2588,304.00.35 40°0 46.928 N 109° 23′ 56.591 1 626.0 12.10 261.80 623.3 -7.0 -35.6 618,702.15 2,588,384.83 40°0 46.919 N 109° 23′ 56.662 1 686.0 12.50 261.90 681.9 -8.9 -48.5 618,700.10 2,558,382.52 40°0 46.902 N 109° 23′ 56.621 N 109° 23′ 56.621 N 109° 23′ 56.021 N 109° 23′ 57.021 N 109°	536.0	9.50	261.00	534.9	-4.5	-18.9	618,705.11	2,588,405.48	40° 0' 46.936 N	109° 23' 56.525 W
596.0 11.20 261.30 593.9 -6.1 -29.7 618,703.18 2,588,394.80 40° 0' 46,919 N 109° 23' 56,632 N 656.0 12.50 261.90 652.6 -7.9 -42.0 618,701.10 2,588,382.52 40° 0' 46,919 N 109° 23' 56,739 N 686.0 13.00 261.90 661.9 -8.9 -48.5 618,700.11 2,588,382.52 40° 0' 46,902 N 109° 23' 56,921 N 109° 23' 56,991 N 109° 23' 57,078 N 109° 23' 57,059 N 100° 23' 57,059 N	566.0	10.50	261.10	564.4	-5.3	-24.1	618,704.17		40° 0' 46.928 N	109° 23' 56.591 W
626.0   12.10   261.80   623.3   -7.0   -36.6   618,702.15   2,588,388.83   40° 0′ 46.902 N   109° 23′ 56.739   686.0   13.00   261.90   681.9   -8.9   -48.5   618,701.01   2,588,382.52   40° 0′ 46.902 N   109° 23′ 56.821   686.0   13.00   261.90   681.9   -8.9   -48.5   618,700.01   2,588,362.37   40° 0′ 46.892 N   109° 23′ 56.905   716.0   13.10   262.00   711.1   -9.8   -5.52   618,698.90   2,588,369.31   40° 0′ 46.893 N   109° 23′ 56.905   776.0   13.80   261.80   769.5   -11.8   -68.9   618,696.63   2,588,365.57   40° 0′ 46.864 N   109° 23′ 57.078   776.0   13.80   261.70   287.7   -14.0   -83.2   618,694.63   2,588,341.40   40° 0′ 46.864 N   109° 23′ 57.351   866.0   13.80   261.40   856.8   -15.0   -90.4   618,692.86   2,588,334.28   40° 0′ 46.831 N   109° 23′ 57.551   866.0   13.80   261.60   886.0   -16.1   -97.3   618,694.67   2,588,327.43   40° 0′ 46.811 N   109° 23′ 57.551   966.0   11.70   259.30   944.6   -18.1   -109.9   618,689.29   2,588,314.84   40° 0′ 46.811 N   109° 23′ 57.581   966.0   11.60   257.10   974.0   -19.4   -115.8   618,686.11   2,588,320.96   40° 0′ 46.788 N   109° 23′ 57.804   40° 46.778 N   109° 23′ 57.804   40° 46.775 N   109° 23′ 57.804   40° 46.775 N   109° 23′ 57.804   40° 46.775 N   109° 23′ 57.804   40° 46.775 N   109° 23′ 57.804   40° 46.775 N   109° 23′ 57.804   40° 46.775 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.775 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.804   40° 46.804 N   109° 23′ 57.			261.30			-29.7		2,588,394.80	40° 0' 46.919 N	109° 23' 56.662 W
656.0 12.50 261.90 652.6 -7.9 -42.0 618,701.10 2,588,382.52 40° 0' 46,902 N 109° 23' 56,8211 686.0 13.00 261.90 681.9 -8.9 -48.5 618,700.10 2,588,362.57 40° 0' 46,892 N 109° 23' 56,905 N 716.0 13.10 262.00 711.1 -9.8 -55.2 618,698.90 2,588,369.31 40° 0' 46,893 N 109° 23' 56,905 N 746.0 13.20 261.90 740.3 -10.8 -62.0 618,697.79 2,588,362.57 40° 0' 46,874 N 109° 23' 57,167 N 806.0 14.00 260.70 798.6 -12.9 -76.1 618,695.37 2,588,345.57 40° 0' 46,844 N 109° 23' 57,167 N 806.0 14.00 260.70 798.6 -12.9 -76.1 618,695.37 2,588,348.57 40° 0' 46,843 N 109° 23' 57,259 N 836.0 14.10 261.70 827.7 -14.0 -83.2 618,694.09 2,588,344.80 40° 0' 46,831 N 109° 23' 57,351 N 866.0 13.80 261.40 856.8 -15.0 -90.4 618,695.37 2,588,344.28 40° 0' 46,831 N 109° 23' 57,443 N 896.0 13.00 261.60 886.0 -16.1 -97.3 618,691.67 2,588,327.43 40° 0' 46,821 N 109° 23' 57,351 N 956.0 11.70 259.30 944.6 -18.1 -109.9 618,690.51 2,588,327.43 40° 0' 46,821 N 109° 23' 57,615 N 956.0 11.70 259.30 944.6 -18.1 -109.9 618,690.51 2,588,309.9 40° 0' 46,811 N 109° 23' 57,615 N 986.0 11.60 257.10 974.0 -19.4 -115.8 618,684.9 2,588,309.9 40° 0' 46,781 N 109° 23' 57,784 N 104.0 11.0 11.0 11.0 11.0 11.0 11.0 11.							618,702.15	2,588,388.83	40° 0' 46.911 N	109° 23' 56.739 W
716.0 13.10 262.00 711.1 -9.8 -55.2 618,698.90 2,588,369.31 40° 0' 46.883 N 109° 23' 56.991 N 1746.0 13.20 261.90 740.3 -10.8 -62.0 618,697.79 2,588,362.57 40° 0' 46.874 N 109° 23' 56.991 N 1746.0 13.20 261.80 769.5 -11.8 -68.9 618,696.63 2,588,365.67 40° 0' 46.874 N 109° 23' 57.076 N 1806.0 14.00 260.70 798.6 -12.9 -76.1 618,696.63 2,588,345.67 40° 0' 46.842 N 109° 23' 57.259 N 1836.0 14.10 261.70 827.7 -14.0 -83.2 618,694.69 2,588,341.40 40° 0' 46.842 N 109° 23' 57.351 N 1866.0 13.80 261.40 856.8 -15.0 -90.4 618,692.86 2,588,341.40 40° 0' 46.842 N 109° 23' 57.351 N 1866.0 13.80 261.60 886.0 -16.1 -97.3 618,691.67 2,588,327.43 40° 0' 46.81 N 109° 23' 57.532 N 1866.0 13.00 261.60 886.0 -16.1 -97.3 618,691.67 2,588,327.43 40° 0' 46.81 N 109° 23' 57.532 N 1866.0 13.00 261.60 886.0 -16.1 -97.3 618,691.67 2,588,321.43 40° 0' 46.81 N 109° 23' 57.615 N 1866.0 13.00 261.60 886.0 -16.1 -97.3 618,690.51 2,588,320.96 40° 0' 46.81 N 109° 23' 57.615 N 1866.0 11.60 257.10 974.0 -19.4 -115.8 618,687.91 2,588,303.05 40° 0' 46.80 N 109° 23' 57.770 N 1.016.0 11.80 257.00 1,003.4 -20.7 -121.8 618,686.41 2,588,303.05 40° 0' 46.76 N 109° 23' 57.846 N 1.046.0 12.20 256.10 1,032.7 -22.2 -127.8 618,681.61 2,588,290.87 40° 0' 46.76 N 109° 23' 57.846 N 1.06.0 12.70 256.50 1,062.0 -23.7 -134.0 618,681.50 2,588,290.87 40° 0' 46.76 N 109° 23' 58.085 N 1.136.0 13.00 255.30 1,120.6 -28.8 -146.8 618,673.90 2,588,278.17 40° 0' 46.746 N 109° 23' 58.085 N 1.196.0 12.20 256.10 1,192.6 -28.8 -146.8 618,673.90 2,588,278.17 40° 0' 46.60 N 109° 23' 58.085 N 1.196.0 12.20 255.20 1,179.1 -30.3 -159.5 618,677.85 2,588,278.17 40° 0' 46.60 N 109° 23' 58.085 N 1.196.0 12.20 255.00 1,149.8 -28.6 -153.3 618,677.85 2,588,278.17 40° 0' 46.60 N 109° 23' 58.085 N 1.196.0 12.20 253.20 1,179.1 -30.3 -159.5 618,677.85 2,588,278.17 40° 0' 46.60 N 109° 23' 58.085 N 1.196.0 11.20 249.20 1,267.3 -36.2 -176.4 618,663.11 2,588,237.94 40° 0' 46.60 N 109° 23' 58.498 N 1.196.0 11.20 249.20 1,365.6 -42.4 -171.0 618,6671.83 2,588,277.94 40° 0' 46.622 N 109° 23' 58.699 N 1.19							618,701.10	2,588,382.52	40° 0' 46.902 N	109° 23' 56.821 W
746.0 13.20 261.90 740.3 -10.8 -62.0 618,697.79 2,588,362.57 40° 0' 46.874 N 109° 23' 57.078 N 776.0 13.80 261.80 769.5 -11.8 -68.9 618,696.63 2,588,355.67 40° 0' 46.864 N 109° 23' 57.167 N 806.0 14.00 260.70 798.6 -12.9 -76.1 618,695.37 2,588,348.57 40° 0' 46.863 N 109° 23' 57.167 N 806.0 14.00 261.70 827.7 -14.0 -83.2 618,694.09 2,588,341.40 40° 0' 46.824 N 109° 23' 57.351 N 866.0 13.80 261.40 856.8 -15.0 -90.4 618,692.86 2,588,334.28 40° 0' 46.831 N 109° 23' 57.351 N 926.0 12.30 260.80 915.3 -171.1 -103.8 618,690.61 2,588,327.43 40° 0' 46.821 N 109° 23' 57.532 N 926.0 12.30 260.80 915.3 -171.1 -103.8 618,690.61 2,588,320.96 40° 0' 46.811 N 109° 23' 57.694 N 986.0 11.60 257.10 974.0 -19.4 -115.8 618,687.91 2,588,303.05 40° 0' 46.775 N 109° 23' 57.700 N 1016.0 11.80 257.00 1,003.4 -20.7 -121.8 618,683.14 2,588,303.05 40° 0' 46.775 N 109° 23' 57.700 N 1,006.0 12.20 256.10 1,032.7 -22.2 -127.8 618,683.15 2,588,290.87 40° 0' 46.781 N 109° 23' 57.924 N 1,076.0 12.30 256.50 1,062.0 -23.7 -134.0 618,683.15 2,588,290.87 40° 0' 46.715 N 109° 23' 58.040 N 1,106.0 12.70 254.80 1,149.8 -28.6 -153.3 618,677.85 2,588,271.76 40° 0' 46.621 N 109° 23' 58.1685 N 1,166.0 12.70 254.80 1,149.8 -28.6 -153.3 618,677.85 2,588,271.76 40° 0' 46.661 N 109° 23' 58.180 N 1,226.0 11.70 251.30 1,208.5 -322166.4 618,677.90 2,588,284.60 40° 0' 46.661 N 109° 23' 58.180 N 1,226.0 11.70 251.30 1,208.5 -322166.4 618,677.90 2,588,284.60 40° 0' 46.661 N 109° 23' 58.180 N 1,226.0 11.70 251.30 1,208.5 -322166.4 618,677.90 2,588,284.70 40° 0' 46.661 N 109° 23' 58.180 N 1,366.0 11.20 249.10 1,326.1 -40.4 -187.4 618,667.39 2,588,287.94 40° 0' 46.661 N 109° 23' 58.49 N 1,366.0 11.20 249.10 1,326.1 -40.4 -187.4 618,667.39 2,588,281.77 6 40° 0' 46.661 N 109° 23' 58.49 N 1,376.0 10.90 250.00 1,385.6 -42.4 -192.7 618,661.18 2,588,227.94 40° 0' 46.621 N 109° 23' 58.69 N 1,376.0 10.90 250.00 1,385.6 -42.4 -192.7 618,661.18 2,588,227.94 40° 0' 46.691 N 109° 23' 58.69 N 1,466.0 9.90 251.10 1,444.1 -47.9 -208.0 618,657.26 2,588,217.50 40° 0' 46.647 N 10									40° 0' 46.892 N	109° 23' 56.905 W
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1,436.0     10.20     250.00     1,414.6     -46.1     -203.0     618,659.12     2,588,222.39     40° 0' 46.524 N     109° 23' 58.891 V       1,466.0     9.90     251.10     1,444.1     -47.9     -208.0     618,657.26     2,588,217.50     40° 0' 46.507 N     109° 23' 58.954 V       1,496.0     9.40     252.60     1,473.7     -49.4     -212.8     618,655.58     2,588,212.76     40° 0' 46.491 N     109° 23' 59.016 V       1,526.0     9.50     253.40     1,503.3     -50.9     -217.5     618,654.03     2,588,208.09     40° 0' 46.477 N     109° 23' 59.076 V										
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, , , , , , , , , , , , , , , , , , , ,										109° 23' 59.347 W
, , , , , , , , , , , , , , , , , , , ,										109° 23' 59.427 W
, , , , , , , , , , , , , , , , , , , ,										109° 23' 59.513 W
, , , , , , , , , , , , , , , , , , , ,	1,736.0									109° 23' 59.604 W
										109° 23' 59.701 W
	1,796.0									109° 23' 59.801 W
	1,826.0	16.20	252.40		-70.0					109° 23' 59.902 W
1000 1000 1000 1000	1,856.0	16.80	253.00	1,824.2	-72.6				40° 0' 46.263 N	109° 24' 0.007 W
1,886.0 17.40 253.60 1,852.9 -75.1 -298.3 618,627.92 2,588,127.84 40° 0' 46.238 N 109° 24' 0.115 V	1,886.0	17.40	253.60	1,852.9	-75.1	-298.3	618,627.92	2,588,127.84	40° 0' 46.238 N	109° 24' 0.115 W





Company: Project:

EOG Resources Uintah County Utah

Site:

Design:

Chapita Well Unit 1541- 1546-26D

Well: Wellbore: CWU #1546-26D

Wellbore #1 Wellbore #1

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: **Survey Calculation Method:** 

Database:

Well CWU #1546-26D

True #34 @ 5034.0ft (RKB Elev.) True #34 @ 5034.0ft (RKB Elev.)

True

Minimum Curvature

urvey									
Massacad							40.0		S. C. Political
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Map Northing	Map Easting		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	Latitude	Longitude
1,916.0		254.30	1,881.5		-307.1	618,625.18			
1,946.0		254.60	1,909.9	-77.6 -80.2	-307.1 -316.3	618,625.18	2,588,119.06 2,588,110.00	40° 0' 46.213 N 40° 0' 46.187 N	109° 24' 0.229 W 109° 24' 0.346 W
1,976.0		254.60	1,938.4	-82.7	-325.5	618,619.67	2,588,100.84	40° 0' 46.162 N	109° 24' 0.465 W
2,006.0	19.10	254.40	1,966.7	-85.3	-334.9	618,616.85	2,588,091.54	40° 0' 46.137 N	109° 24' 0.585 W
2,036.0	19.20	255.00	1,995.1	-87.9	-344.4	618,614.03	2,588,082.11	40° 0' 46.111 N	109° 24' 0.707 W
2,066.0		254.80	2,023.4	-90.5	-353.9	618,611.24	2,588,072.65	40° 0' 46.086 N	109° 24' 0.830 W
2,096.0	18.90	253.90	2,051.8	-93.1	-363.3	618,608.38	2,588,063.28	40° 0' 46.060 N	109° 24' 0.951 W
2,126.0	18.80	253.50	2,080.2	-95.8	-372.6	618,605.44	2,588,054.04	40° 0' 46.033 N	109° 24' 1.070 W
2,156.0	18.80	252.70	2,108.6	-98.7	-381.9	618,602.41	2,588,044.86	40° 0′ 46.005 N	109° 24' 1.189 W
2,186.0 2,216.0	18.90 19.00	252.00 251.40	2,136.9	-101.6	-391.1	618,599.26	2,588,035.70	40° 0' 45.976 N	109° 24′ 1.308 W
2,216.0	19.00	251.40	2,165.3 2,184.2	-104.6 -106.7	-400.3 -406.5	618,595.98 618,593.74	2,588,026.52	40° 0' 45.946 N	109° 24' 1.427 W
	Surface Hol		2,104.2	-100.7	-400.3	010,393.74	2,588,020.39	40° 0' 45.925 N	109° 24' 1.506 W
2,323.0	19.20	250.20	2,266.4	-116.2	-433.5	618,583.65	2,587,993.70	40° 0' 45.831 N	109° 24' 1.852 W
2,355.0	18.60	249.20	2,200.4	-110.2	-433.3 -443.2	618,579.83	2,587,984.06	40° 0' 45.796 N	109° 24' 1.852 W
2,387.0	18.20	250.20	2,327.1	-123.3	-452.6	618,576.10	2,587,974.67	40° 0' 45.761 N	109° 24' 2.099 W
2,418.0	17.90	252.80	2,356.5	-126.4	-461.8	618,572.84	2,587,965.64	40° 0' 45.731 N	109° 24' 2.216 W
2,450.0	17.50	255.10	2,387.0	-129.0	-471.1	618,569.93	2,587,956.36	40° 0' 45.704 N	109° 24' 2.336 W
2,480.0	17.40	255.80	2,415.6	-131.3	-479.8	618,567.47	2,587,947.71	40° 0' 45.682 N	109° 24' 2.448 W
2,512.0	17.30	259.00	2,446.2	-133.4	-489.1	618,565.17	2,587,938.45	40° 0' 45.662 N	109° 24′ 2.568 W
2,544.0	16.70	260.10	2,476.8	-135.1	-498.3	618,563.25	2,587,929.29	40° 0' 45.645 N	109° 24' 2.686 W
2,574.0	16.40	262.50	2,505.5	-136.4	-506.8	618,561.76	2,587,920.88	40° 0' 45.632 N	109° 24' 2.795 W
2,604.0	15.70	262.60	2,534.4	-137.5	-515.0	618,560.49	2,587,912.68	40° 0' 45.621 N	109° 24' 2.900 W
2,636.0	15.20	264.80	2,565.2	-138.4	-523.5	618,559.36	2,587,904.24	40° 0' 45.612 N	109° 24' 3.009 W
2,666.0 2,698.0	14.40	265.90	2,594.2	-139.0	-531.1	618,558.55	2,587,896.62	40° 0' 45.606 N	109° 24′ 3.107 W
2,730.0	14.10 13.60	265.00 264.10	2,625.2 2,656.3	-139.6 -140.4	-538.9 -546.6	618,557.75	2,587,888.78	40° 0′ 45.600 N	109° 24' 3.208 W
2,761.0	13.30	263.90	2,686.4	-140.4 -141.1	-546.6 -553.7	618,556.84 618,555.92	2,587,881.17 2,587,874.02	40° 0' 45.593 N 40° 0' 45.585 N	109° 24' 3.306 W
2,792.0	13.30	264.10	2,716.6	-141.9	-560.8	618,555.01	2,587,866.95	40° 0' 45.578 N	109° 24' 3.398 W 109° 24' 3.490 W
2,824.0	13.50	265.00	2,747.7	-142.6	-568.2	618,554.13	2,587,859.59	40° 0' 45.571 N	109° 24' 3.584 W
2,854.0	13.30	266.10	2,776.9	-143.1	-575.2	618,553.43	2,587,852.67	40° 0' 45.565 N	109° 24' 3.674 W
2,886.0	13.30	267.10	2,808.1	-143.5	-582.5	618,552.82	2,587,845.33	40° 0' 45.561 N	109° 24' 3.768 W
2,917.0	12.70	267.00	2,838.3	-143.9	-589.5	618,552.30	2,587,838.38	40° 0' 45.558 N	109° 24' 3.858 W
2,948.0	13.00	267.10	2,868.5	-144.3	-596.3	618,551.78	2,587,831.50	40° 0' 45.554 N	109° 24' 3.946 W
2,979.0	13.00	268.70	2,898.7	-144.5	-603.3	618,551.36	2,587,824.54	40° 0' 45.552 N	109° 24′ 4.036 W
3,011.0	12.60	268.10	2,929.9	-144.7	-610.4	618,551.00	2,587,817.46	40° 0' 45.550 N	109° 24' 4.127 W
3,043.0	12.20	267.30	2,961.2	-145.0	-617.3	618,550.56	2,587,810.61	40° 0' 45.547 N	109° 24' 4.215 W
3,075.0	11.70	267.80	2,992.5	-145.3	-623.9	618,550.12	2,587,804.00	40° 0' 45.544 N	109° 24' 4.300 W
3,107.0 3,139.0	11.80 11.70	269.00	3,023.8	-145.5	-630.4	618,549.79	2,587,797.49	40° 0' 45.542 N	109° 24' 4.384 W
3,139.0	11.70 11.40	268.50 269.40	3,055.1 3,085.5	-145.6	-636.9	618,549.49	2,587,790.98	40° 0' 45.541 N	109° 24' 4.467 W
3,170.0	11.40	267.00	3,085.5 3,116.9	-145.7 -145.9	-643.1 -649.3	618,549.23 618,548.89	2,587,784.78	40° 0' 45.540 N	109° 24' 4.547 W
3,202.0	10.60	266.90	3,116.9	-145.9 -146.2	-649.3 -654.9	618,548.46	2,587,778.57 2,587,772.97	40° 0' 45.538 N 40° 0' 45.535 N	109° 24' 4.627 W 109° 24' 4.699 W
3,264.0	10.20	268.80	3,177.8	-146.2 -146.4	-660.7	618,548.11	2,587,767.20	40° 0' 45.533 N	109° 24' 4.773 W
3,295.0	10.00	267.00	3,208.4	-146.6	-666.2	618,547.78	2,587,761.78	40° 0' 45.531 N	109° 24' 4.843 W
3,326.0	9.60	266.10	3,238.9	-146.9	-671.4	618,547.34	2,587,756.52	40° 0' 45.528 N	109° 24' 4.911 W
3,357.0	9.70	268.50	3,269.5	-147.2	-676.6	618,546.98	2,587,751.34	40° 0' 45.525 N	109° 24' 4.978 W
3,388.0	9.50	268.60	3,300.0	-147.3	-681.8	618,546.72	2,587,746.17	40° 0' 45.524 N	109° 24' 5.044 W
3,419.0	9.20	267.20	3,330.6	-147.5	-686.8	618,546.42	2,587,741.15	40° 0' 45.522 N	109° 24' 5.109 W
3,450.0	8.90	265.10	3,361.2	-147.8	-691.7	618,545.98	2,587,736.29	40° 0' 45.519 N	109° 24' 5.171 W
3,481.0	8.80	263.50	3,391.9	-148.3	-696.4	618,545.40	2,587,731.56	40° 0' 45.514 N	109° 24' 5.232 W
3,513.0	8.10	262.80	3,423.5	-148.9	-701.1	618,544.73	2,587,726.90	40° 0' 45.509 N	109° 24' 5.292 W
3,544.0 3,576.0	7.40 7.00	265.30 265.70	3,454.2 3,486.0	-149.3 -149.6	-705.2 -709.2	618,544.19 618,543.78	2,587,722.76 2,587,718.77	40° 0′ 45.504 N 40° 0′ 45.501 N	109° 24' 5.346 W 109° 24' 5.397 W
			3 48h H	- 1446	-/HU//		/ hx / /1X / /		





Company: Project:

EOG Resources Uintah County Utah

Site: Chapita Well Unit 1541- 1546-26D
Well: CWU #1546-26D

Well: CWU #1546-26
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method: Database: Well CWU #1546-26D

True #34 @ 5034.0ft (RKB Elev.) True #34 @ 5034.0ft (RKB Elev.)

True

Minimum Curvature

	NO shiparazaran	ericka mekki ericka ereka erika e	FO THE RESIDENCE THE RESIDENCE (TURNS STATE	C. D. SECTION CONTRACT CONTRAC			and the second second	103.10 Single Oser Db	n and a company of the company of th
Survey									
Measured			Vertical			Мар	Мар		
Depth	Inclination		Depth	+N/-S	+E/-W	Northing	Easting	and the second	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	Latitude	Longitude
3,639.0	6.40	265.40	3,548.6	-150.3	-716.4	618,542.88	2,587,711.59	40° 0' 45.494 N	109° 24' 5.490 W
3,669.0		263.90	3,578.4	-150.6	-719.7	618,542.51	2,587,708.37	40° 0' 45.491 N	109° 24' 5.531 W
3,701.0		264.40	3,610.2	-151.0	-722.9	618,542.10	2,587,705.13	40° 0' 45.488 N	109° 24' 5.573 W
3,731.0		267.30	3,640.1	-151.2	-725.8	618,541.82	2,587,702.22	40° 0' 45.486 N	109° 24' 5.610 W
3,763.0		263.50	3,671.9	-151.4	-728.8	618,541.51	2,587,699.25	40° 0' 45.483 N	109° 24' 5.648 W
3,793.0		261.40	3,701.8	-151.8	-731.4	618,541.11	2,587,696.67	40° 0' 45.480 <b>N</b>	109° 24' 5.682 W
3,825.0		261.10	3,733.7	-152.1	-733.9	618,540.67	2,587,694.20	40° 0' 45.476 N	109° 24' 5.714 W
3,855.0		260.10	3,763.7	-152.5	-735.9	618,540.29	2,587,692.19	40° 0' 45.473 N	109° 24' 5.740 W
3,886.0 3,917.0		260.80	3,794.6	-152.8	-737.7	618,539.95	2,587,690.42	40° 0' 45.470 N	109° 24' 5.762 W
3,948.0		260.20 260.10	3,825.6 3,856.5	-153.0 -153.3	-739.3 -740.8	618,539.64	2,587,688.80	40° 0' 45.467 N	109° 24' 5.783 W
3,979.0		267.90	3,887.5	-153.3 -153.4	-740.8 -741.9	618,539.35 618,539.18	2,587,687.34 2,587,686.16	40° 0' 45.465 N 40° 0' 45.463 N	109° 24′ 5.802 W
4,010.0		283.00	3,918.5	-153.4	-7 <b>4</b> 1.9	618,539.18	2,587,685.25	40° 0' 45.464 N	109° 24' 5.817 W 109° 24' 5.829 W
4,041.0		307.40	3,949.5	-153.4	-743.5	618,539.48	2,587,684.63	40° 0' 45.467 N	109° 24' 5.829 W
4,073.0		4.30	3,981.5	-152.7	-743.7	618,539,86	2,587,684.42	40° 0' 45.470 N	109° 24' 5.840 W
4,104.0		57.00	4,012.5	-152.4	-743.6	618,540.14	2,587,684.52	40° 0' 45.473 N	109° 24' 5.838 W
4,198.0		178.70	4,106.5	-152.6	-743.3	618,540.00	2,587,684.81	40° 0' 45.472 N	109° 24' 5.835 W
4,290.0		182.80	4,198.5	-153.6	-743.3	618,539.04	2,587,684.81	40° 0' 45.462 N	109° 24' 5.835 W
4,385.0	0.30	194.00	4,293.5	-154.5	-743.4	618,538.13	2,587,684.73	40° 0' 45.453 N	109° 24' 5.836 W
4,478.0	0.80	153.10	4,386.5	-155.3	-743.2	618,537.32	2,587,684.99	40° 0' 45.445 N	109° 24' 5.833 W
4,574.0		181.20	4,482.4	-156.9	-742.9	618,535.73	2,587,685.31	40° 0' 45.429 N	109° 24' 5.829 W
4,667.0		162.50	4,575.4	-158.4	-742.7	618,534.21	2,587,685.49	40° 0' 45.414 N	109° 24' 5.827 W
4,733.0	0.70	154.99	4,641.5	-159.1	<i>-</i> 742.4	618,533.47	2,587,685.80	40° 0' 45.407 N	109° 24' 5.824 W
Wasate	ch #1546								
4,762.0		151.70	4,670.4	-159.5	-742.3	618,533.16	2,587,685.97	40° 0' 45.404 N	109° 24' 5.822 W
4,855.0		187.20	4,763.4	-160.5	-742.1	618,532.10	2,587,686.19	40° 0' 45.393 N	109° 24' 5.819 W
4,949.0		160.90	4,857.4	-161.7	-741.9	618,530.92	2,587,686.36	40° 0' 45.382 N	109° 24' 5.817 W
5,042.0		40.60	4,950.4	-162.0	-741.4	618,530.68	2,587,686.90	40° 0' 45.379 N	109° 24′ 5.811 W
5,138.0		56.90	5,046.4	-161.3	-740.7	618,531.31	2,587,687.56	40° 0' 45.385 N	109° 24' 5.802 W
5,230.0		82.30	5,138.4	-161.1	-740.2	618,531.58	2,587,688.13	40° 0' 45.388 N	109° 24' 5.794 W
5,322.0		132.30	5,230.4	-161.3	-739.6	618,531.35	2,587,688.67	40° 0' 45.385 N	109° 24' 5.788 W
5,416.0		136.20	5,324.4	-162.1	-738.9	618,530.62	2,587,689.45	40° 0′ 45.378 N	109° 24' 5.778 W
5,510.0 5,605.0		39.70 307.60	5,418.4 5,513.4	-162.4 -162.1	-738.3 -738.2	618,530.35 618,530.59	2,587,690.06	40° 0' 45.375 N	109° 24' 5.770 W
5,699.0		1.17	5,607.4	-162.1	-738.2 -738.2	618,530.72	2,587,690.15 2,587,690.08	40° 0' 45.378 N 40° 0' 45.379 N	109° 24' 5.769 W 109° 24' 5.770 W
5,792.0		344.90	5,700.4	-161.8	-738.3	618,530.96	2,587,690.04	40° 0' 45.381 N	109° 24' 5.770 W
5,887.0		158.30	5,795.4	-161.6	-738.3	618,531.09	2,587,690.00	40° 0' 45.382 N	109° 24' 5.770 W
5,980.0		230.60	5,888.4	-161.8	-738.5	618,530.90	2,587,689.83	40° 0' 45.381 N	109° 24′ 5.773 W
6,074.0		210.80	5,982.4	-162.2	-738.8	618,530.52	2,587,689.53	40° 0' 45.377 N	109° 24' 5.777 W
6,169.0		187.20	6,077.4	-163.0	-739.0	618,529.65	2,587,689.34	40° 0' 45.368 N	109° 24' 5.779 W
6,261.0		183.40	6,169.4	-164.6	-739.1	618,528.13	2,587,689.24	40° 0' 45.353 N	109° 24' 5.781 W
6,355.0	0.30	174.80	6,263.4	-165.7	-739.2	618,526.98	2,587,689.23	40° 0' 45.342 N	109° 24' 5.782 W
6,449.0	0.80	150.60	6,357.4	-166.5	-738.8	618,526.17	2,587,689.60	40° 0' 45.334 N	109° 24' 5.777 W
6,543.0	0.90	157.40	6,451.3	-167.8	-738.2	618,524.93	2,587,690.23	40° 0' 45.322 N	109° 24' 5.769 W
6,637.0	1.20	172.80	6,545.3	-169.4	-737.8	618,523.29	2,587,690.68	40° 0' 45.305 N	109° 24' 5.764 W
6,732.0		142.90	6,640.3	-170.5	-737.6	618,522.24	2,587,690.88	40° 0' 45.295 N	109° 24' 5.762 W
6,826.0		225.50	6,734.3	-170.6	-737.6	618,522.11	2,587,690.87	40° 0' 45.294 N	109° 24' 5.762 W
6,919.0		138.60	6,827.3	-171.0	-737.4	618,521.70	2,587,691.15	40° 0' 45.289 N	109° 24' 5.759 W
7,014.0		145.20	6,922.3	-172.1	-736.6	618,520.66	2,587,691.97	40° 0' 45.279 N	109° 24' 5.748 W
7,071.0		143.24	6,979.3	-172.7	-736.1	618,520.06	2,587,692.42	40° 0' 45.273 N	109° 24' 5.743 W
1	River #1546								
7,106.0		137.20	7,014.3	-172.9	-736.0	618,519.90	2,587,692.56	40° 0' 45.271 N	109° 24' 5.741 W
7,198.0		160.40	7,106.3	-173.2	-735.8	618,519.56	2,587,692.76	40° 0' 45.268 N	109° 24' 5.739 W
7,292.0		122.90	7,200.3	-173.8	-735.3	618,519.03	2,587,693.33	40° 0' 45.263 N	109° 24' 5.731 W
7,387.0	0.70	143.20	7,295.3	-174.5	-734.4	618,518.27	2,587,694.19	40° 0' 45.255 N	109° 24' 5.721 W





Company: Project:

EOG Resources Uintah County Utah

Site:

Chapita Well Unit 1541- 1546-26D CWU #1546-26D

Well: Wellbore: Wellbore #1 Design: Wellbore #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** Database:

Well CWU #1546-26D

True #34 @ 5034.0ft (RKB Elev.) True #34 @ 5034.0ft (RKB Elev.)

Minimum Curvature

ırvey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ff)	+E/-W (ff)	Map Northing (ft)	Map Easting (ft)	Latifude	Longitude
7,481.0	1.30	162.50	7,389.3	-176.0	-733.8	618,516.81	2,587,694.88	40° 0' 45.240 N	109° 24' 5.712
7,575.0	1.60	157.30	7,483.2	-178.2	-732.9	618,514.60	2,587,695.76	40° 0' 45.218 N	109° 24' 5.701
7,669.0	1.20	125.10	7,577.2	-180.0	-731.6	618,512.86	2,587,697.12	40° 0' 45.201 N	109° 24' 5.685
7,762.0	1.40	135.80	7,670.2	-181.4	-730.0	618,511.52	2,587,698.74	40° 0' 45.187 N	109° 24' 5.664
7,855.0	0.80	138.90	7,763.2	-182.7	-728.8	618,510.24	2.587,699.99	40° 0' 45.174 N	109° 24' 5.648
7,948.0	0.70	167.20	7,856.2	-183.7	-728.3	618,509.21	2,587,700.56	40° 0' 45.164 N	109° 24' 5.641
8,042.0	0.40	172.30	7,950.2	-184.6	-728.1	618,508.33	2,587,700.76	40° 0' 45.155 N	109° 24' 5.639
8,133.0	0.60	140.30	8,041.2	-185.3	-727.7	618,507.66	2,587,701.12	40° 0' 45.148 N	109° 24' 5.635
8,228.0	1.10	145.40	8,136.2	-186.4	-726.9	618,506.55	2,587,701.98	40° 0' 45.137 N	109° 24' 5.624
8,323.0	1.10	149.10	8,231.1	-188.0	-725.9	618,505.04	2,587,703.00	40° 0' 45.122 N	109° 24' 5.611
8,416.0	1.10	145.70	8,324.1	-189.5	-725.0	618,503.56	2,587,704.00	40° 0' 45.107 N	109° 24' 5.599
8,511.0	1.60	152.30	8,419.1	-191.4	-723.8	618,501.66	2,587,705.17	40° 0' 45.088 N	109° 24' 5.584
8,605.0	1.20	148.90	8,513.1	-193.4	-722.7	618,499.68	2,587,706.34	40° 0' 45.068 N	109° 24' 5.570
8,699.0	1.80	150.70	8,607.0	-195.5	-721.5	618,497.58	2,587,707.62	40° 0' 45.047 N	109° 24' 5.554
8,792.0	1.90	146.10	8,700.0	-198.1	-719.9	618,495.06	2,587,709.25	40° 0' 45.022 N	109° 24' 5.534
8,886.0	1.80	146.60	8,793.9	-200.6	-718.2	618,492.58	2,587,710.99	40° 0' 44.997 N	109° 24' 5.512
8,978.0		157.60	8,885.9	-203.1	-716.9	618,490.14	2,587,712.37	40° 0' 44.973 N	109° 24' 5.495
9,071.0		152.90	8,978.8	-205.7	-715.7	618,487.52	2,587,713.66	40° 0' 44.946 N	109° 24' 5.480
9,165.0		142.50	9,072.8	-208.5	-713.9	618,484.75	2,587,715.53	40° 0' 44.919 N	109° 24' 5.456
9,258.0		131.60	9,165.7	-211.2	-711.4	618,482.20	2,587,718.01	40° 0′ 44.893 N	109° 24' 5.425
9,387.0		131.40	9,294.6	-214.5	-707.6	618,478.94	2,587,721.88	40° 0' 44.860 N	109° 24' 5.377
9,441.3	2.30	131.30	9,348.9	-215.9	-706.0	618,477.54	2,587,723.55	40° 0' 44.846 N	109° 24' 5.356
PBHL#	<b>‡1546</b>								
9,443.0	2.30	131.30	9,350.6	-216.0	-706.0	618,477.49	2,587,723.61	40° 0' 44.845 N	109° 24' 5.355
Project	ion to TD								

Targets  Target Name - hit/miss target Di - Shape	p Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL #1546 - actual wellpath miss - Point	0.00 ses target	0.00 center by 2	9,350.0 28.2ft at 94	-193.4 41.3ft MD (93	-722.9 348.9 TVD, -	618,499.68 -215.9 N, -706.0	2,587,706.12 E)	40° 0' 45.068 N	109° 24' 5.573 W
Wasatch #1546 - actual wellpath miss - Point	0.00 ses target	0.00 center by 3	4,641.0 39.4ft at 47	-193.4 33.1ft MD (46	-722.9 641.5 TVD, -	618,499.68 -159.1 N, -742.4	2,587,706.12 E)	40° 0' 45.068 N	109° 24' 5.573 W
Price River #1546 - actual wellpath miss - Circle (radius 50.0)	0.00 ses target	0.00 center by 2	6,979.0 24.6ft at 70	-193.4 71.0ft MD (69	-722.9 979.3 TVD, -	618,499.68 -172.7 N, -736.1	2,587,706.12 E)	40° 0' 45.068 N	109° 24' 5.573 W

Design Annotations  Measure Depth		Local Coor +N/-S	dinates +E/-W	
(ft).	(ft)	(ft)	(ft)	Comment
2,230	3.0 2,184.2	-106.7	-406.5	Tie into Surface Hole
9,443	3.0 9,350.6	-216.0	-706.0	Projection to TD

Checked By:	Approved By:	Date:	· · · · · · · · · · · · · · · · · · ·
Oncolor by.	Approved by.	Date.	ļ.